



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 1, Issue 1. December 2019

Greetings!

We are delighted to launch our monthly TREC Training Program newsletter. It is the season of giving thanks, and we have much to be thankful for – our TREC Fellows, Faculty, and the important work that you all do to move the field forward in transdisciplinary research in energetics and cancer.

We are excited for 2020 and disseminating more of our TREC program. We will soon be posting presentations to our website from previous TREC workshops, and hosting our quarterly webinars, and sharing news via our monthly newsletter. As always, we love hearing from you!

Make sure to send us your TREC-inspired publications, new awards, any announcements on appointments or promotions, and any other good news – *if we missed your update this month be sure to send it to Diana for the next edition.* Faculty as well as fellows are welcome to provide content. Thank you!

Best wishes for a healthy and happy holiday season and 2020!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

TREC News | Other Announcements

Pass the word! It's not too late to submit an LOI for TREC-2020 – our 4th TREC fellowship cohort!

LOIs due December 15 – simple, informal email to Diana Lowry dlowry@fredhutch.org

Full applications due January 15 – apply online at our website TRECTraining.yale.edu

TREC 2020 dates: June 21-26 (inclusive) at Water's Edge Resort, Westbrook, Connecticut

Disseminate your work – and please remember to cite TREC if relevant!

AICR and GWU's Lifestyle & Cancer Symposium. Jan 24, Washington DC. Register [here](#).

ASPO – Abstracts closed. Meeting registration due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

AACR – Abstracts due Dec 5 (late breaking, Jan 30). April 24-29, San Diego. Details and registration [here](#).

ASCO – Abstracts due Feb 11 (late breaking, Mar 12). May 29-June 2, Chicago. <https://www.asco.org/meetings>

*Please acknowledge the TREC Training Course grant number in any research product resulting – either directly or indirectly - from the Workshop: **TREC Training Workshop R25CA203650 (PI: Melinda Irwin).** Thank you!*

TREC Webinar Series!

This year we launched our q2 months webinar series! Each webinar features two TREC fellows. In September 2019, we showcased fellows **Hannah Arem** and **Tina Skinner**. November 2019 featured **Ting-Yuan (David) Cheng** and **Erin Giles**. The webinars to-date have been well attended with an average of 60 participants per webinar. Thank you!

Next webinars – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

- January 22, 2020
- March 25, 2020
- Dates and call for speakers for the next academic year will be distributed this Spring – stay tuned!
- If you know of others who may like to attend our Webinars – please have them reach out to Diana who will add them to the distribution list.

- Webinar recordings will be posted to the TREC website.

Publications and Grants Awarded – *congrats, TREC Workshop alumni!*

New grants awarded – inspired in part or in full by the TREC Workshop – *Congrats, all!*

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network

Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)

Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

1R37CA225877 (funded Feb. 2019)

Title: Multi-site Adaptive Trial of a Technology-based, EHR-integrated Physical Activity Intervention in Breast and Endometrial Cancer Survivors

PI: Lisa Cadmus-Bertram

1R03CA230965 (funded Apr 2019)

Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

Publications – inspired in part or in full by the TREC Workshop

[Association between pre-diagnosis BMI, physical activity, pathologic complete response, and chemotherapy completion in women treated with neoadjuvant chemotherapy for breast cancer.](#)

Usiskin I, Li F, **Irwin ML**, Cartmel B, **Sanft T**. Clin Cancer Res. 2019 Sep 1;25(17):5398-5406. doi: 10.1158/1078-0432.CCR-18-3143. Epub 2019 Apr 24. PMID 31119682

[Impact of a Pre-Operative Exercise Intervention on Breast Cancer Proliferation and Gene Expression: Results from the Pre-Operative Health and Body \(PreHAB\) Study.](#) **Ligibel JA**, Dillon D, Giobbie-Hurder A, McTiernan A, Frank E,

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[Longitudinal assessment of post-surgical physical activity in endometrial and ovarian cancer patients.](#)

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Appointments and Promotions!

Ana Lohmann, MD, PhD. Ana has completed her PhD in Health Policy Management and evaluation; the focus of her thesis was *Obesity and Breast Cancer*. Ana also was appointment to her new position at University of Western Ontario, Assistant Professor and Medical Oncologist. *Congratulations, Ana!*

Career Opportunities

Submitted by **Diane Ehlers**:

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at AICR – May, 2019!



Forefront: Dieuwertje Kok, Renate Winkels, Linda Nebeling
Counter-clockwise in the hobbit hole (starting top left):
Wendy Demark Wahnefried, Sharon Ross, Tyvette Hilliard, Lindsay Peterson, Katie Sturgeon, Tina Skinner, Erin Giles, Christina Dieli-Conwright

TREC at Society of Integrative Oncology – Oct, 2019!



L-R: Christina Dieli-Conwright, Siobhan Phillips, Melinda Irwin, Heather Greenlee

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TREC Connects!

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Volume 2, Issue 1. January 2020

Greetings!

Happy New Year! We hope that you all had a peaceful holiday spent with family and friends. We have some great TREC news this month.... the number of letters of intent for the 2020 TREC Training Workshop exceeded 100 (136 to be precise), a 70% increase over the average from prior years.

We thank YOU for this success: to all of you for circulating information about the Workshop to your colleagues; to our tremendous faculty who are a pillar of our educational and mentorship goals; to our phenomenal TREC fellows who together are part of the next generation to move forward our field of transdisciplinary energy balance and cancer research!

As we have done each year, the 2020 Workshop will be further improved based on feedback from TREC Fellows and Faculty from 2019. We plan to have a rough draft of the revised agenda by the end of January, and we will be reaching out to Faculty (and some Fellows too) in February with an invitation to participate in this year's Workshop.

A reminder about the monthly **TREC Connects! Newsletter**: Please send us your TREC-inspired publications, new awards, any announcements on appointments or promotions, and any other good news – **if we missed your update this month be sure to send it to Diana for the next edition. Faculty as well as fellows are welcome to provide content.**

Thank you!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

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TREC Webinar Series – next scheduled is January 22 from 10-11am Pacific Time (1-2pm Eastern)!

This month for our third TREC Webinar we will feature TREC Fellows **Jessica McNeil** (co-presenting with colleague **Miranda Fidler-Benaoudia**) and **Curtis Henry**.

Know of others who may like to attend? Have them email Diana who will add them to the distribution list.

Next TREC webinars – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

- March 25, 2020
- Dates and call for speakers for the next academic year will be distributed this Spring – stay tuned!
- Webinar recordings will be posted to the TREC website beginning with this month's webinar.

Other Webinars – don't wait – mark your calendars today!

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant
 - **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **ASPO Survivorship, Health Outcomes and Comparative Effectiveness Research SIG Webinar – *Meta-vivors: Enhancing survivorship care for survivors with metastatic disease.***
 - **January 22, 2020 from 12-1pm Pacific Time (3-4pm Eastern)**
 - Link: <https://cwru.zoom.us/j/110399540>
 - Questions: contact Heidi Sahel at ASPO hasahel@wisc.edu

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020

The conference “**Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. The purpose of the conference is to facilitate discussion among nutrition, physical activity, and obesity researchers about the translation of data between animal, clinical, and population research, with an emphasis on the level of evidence needed for practice change. The conference will start with a keynote lecture followed by a poster session reception on Thursday evening. Friday will include sessions on physical activity, nutrition, body composition, and translation of research into practice. Saturday morning sessions will be geared toward trainees and early career investigators and will include career development sessions and brief presentations on “hot topics” related to energy balance and cancer. Confirmed speakers include Melinda Irwin, Steve Hursting, Johanna Lampe, Andrew Dannenberg, Wendy Demark-Wahnefried, Zobeida Cruz-Monseurrate, Steve Clinton, Kerry Courneya, Mark Dewhirst, Robert Chapkin, Kathryn Schmitz, Carol Fabian, and former TREC Fellows Jennifer McQuade and Neil Iyengar. Call for abstracts will be available in March, 2020. Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

Publications and Grants Awarded – *congrats, TREC Workshop alumni!*

New grants awarded – inspired in part or in full by the TREC Workshop – *Congrats, all!*

PI: Rishi Jain

Special Interest Pilot funded by ACS (#15-175-23) with institutional matching funds from Fox Chase Cancer Center
 Title: Improving Dietary Quality in Patients on Surveillance for Colorectal Cancer Using a Computerized Food Frequency Questionnaire

And in case you missed these in last month's newsletter:

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network
 Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)
 Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

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PI: Lisa Cadmus-Bertram

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Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

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Don't forget to notify Diana of YOUR pubs to showcase in the next newsletter!

[Association between pre-diagnosis BMI, physical activity, pathologic complete response, and chemotherapy completion in women treated with neoadjuvant chemotherapy for breast cancer.](#)

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Appointments and Promotions!

Ana Lohmann, MD, PhD. 2018 TREC Fellow. Ana has completed her PhD in Health Policy Management and evaluation; the focus of her thesis was *Obesity and Breast Cancer*. Ana also was appointment to her new position at University of Western Ontario, Assistant Professor and Medical Oncologist. Ana's new email address is ana.lohmann@lhsc.on.ca. *Congratulations, Ana!*

Brianna Murphy, DO. 2018 TREC Fellow. After completing her postdoctoral fellowship in pediatric oncology at MD Anderson, Brianna was offered faculty positions at Memorial Sloan Kettering and at Sanford Health in South Dakota. Brianna says, "I accepted the position at Sanford Health as this location was a much better fit for my laid back, quiet lifestyle than New York would have been. I'm very cold but otherwise loving it so far. It's beautiful country and everyone is so nice here." Brianna's new email address is Brianna.Murphy@SanfordHealth.org. *Congratulations, Brianna, and stay warm!*

Canhua Xiao, PhD, RN, FAAN. 2017 TREC Fellow. Last year Canhua accepted an associate professorship position from the Yale School of Nursing, and she also was inducted into the American Academy of Nursing. At Yale, Canhua's research focuses on cancer-related symptoms/symptom clusters, their biological mechanisms, and patient-reported outcomes including quality of life. Currently, she is interested in the association between persistent fatigue and chronic inflammation that may involve epigenetic changes secondary to cancer and its treatment. Canhua's new email address is canhua.xiao@yale.edu. *Congratulations, Canhua!*

Janice Withycombe, PhD, RN, MN. 2018 TREC Fellow. Hat's off also to Janice who last year was promoted to an associate professorship position in the College of Behavioral, Social and Health Sciences at Clemson University! Janice continues her work as a pediatric oncology researcher with interests in helping to improve the lives of children with cancer. Research areas include physical activity, patient reported outcomes and patient/family education. Current research involves the use of metabolomics to explore relationships between oxidative stress, physical activity and patient symptoms in children receiving treatment for cancer. Janice's new email address is jswithy@clemson.edu. *Congratulations, Janice!*

Justin Brown, PhD. 2018 TREC Fellow. All best wishes as well to Justin who, after completing his postdoc at Dana Farber and during his one-year fellowship with TREC, accepted a position as Assistant Professor Director of the Cancer Metabolism Program at Pennington Biomedical Research Center. Justin's research interests continue to be to discover the mechanisms through which weight management, diabetes control, optimal nutrition, and physical activity prevent the development and progression of cancer. Justin's new email address is Justin.Brown@pbrc.edu. *Congratulations, Justin!*

Madison Kindred, PhD. 2019 TREC Fellow. After completing her postdoctoral fellowship and the TREC Workshop last year, Madison accepted a promotion to an assistant professorship position in the Department of Kinesiology, College of Education, Augusta University. Madison's new email address is MKINDRED@augusta.edu. *Congratulations, Madison!*

Renate Winkels, PhD. 2018 TREC Fellow. We wish Renate a warm welcome home to the Netherlands where, after completing her TREC fellowship, Renate accepted an assistant professorship position in the Department of Human Nutrition and Health at Wageningen University and Research, Wageningen, the Netherlands. Renate's new email address is renate.winkels@wur.nl. *Congratulations, Renate!*

Susan Chadid, PhD. 2018 TREC Fellow. Susan completed her postdoctoral fellowship at JHU and has relocated to Boston University where she is pursuing a staff position. Susan's new email address is such@bu.edu. *Congrats, Susan!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Career Opportunities

Submitted by **Hannah Arem – George Washington University:**

Assistant or Associate Professor of Epidemiology: <https://www.gwu.jobs/postings/72046>

Assistant, Associate, or Full Professor (Implementation and Dissemination Science for Social and Behavioral Interventions): <https://www.gwu.jobs/postings/72197>

Open Rank, Exercise and Nutrition Sciences (Obesity and/or Chronic Disease Prevention): <https://www.gwu.jobs/postings/72021>

Submitted by **Diane Ehlers – University of Nebraska:**

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** and **undergraduate interns** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at AICR – May, 2019!



Forefront: Dieuwertje Kok, Renate Winkels, Linda Nebeling
Counter-clockwise in the hobbit hole (starting top left):
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Your monthly newsletter from the TREC Training Program

Volume 2, Issue 2. February 2020

Greetings!

Happy February and welcome to the 3rd edition of our monthly TREC Newsletter. We hope you are enjoying reading about your TREC Workshop colleagues – we certainly enjoy receiving the information to share with you all!

Please keep the information coming about publications, awards, and announcements and any other great news you'd like to share – content is welcome from fellows and faculty alike!

If you have any feedback about the Newsletter, please let us know – we welcome your thoughts!

Our goal with both the TREC Newsletter and our Webinars is to disseminate TREC-related information and also outreach to those who have not yet been involved with TREC – so **please feel free to forward our Newsletters as well as Webinar invitations to colleagues interested in TREC-related topics.**

Speaking of outreach! With YOUR help this year, out of the 137 LOIs we received to apply to the TREC-2020 Training Program, 82 (60%) were from US as well as international institutions which have never previously received funding from TREC (either from the Centers' Initiative or the TREC Training Workshop)!

Of these 137 LOIs, a total of 106 applications were received – this is the most ever and represents a 43% increase in the average number of applications received per year to date. This month, the SAB will begin reviewing the 106 applications to accept up to 23 early career investigators to participate in the 4th TREC Workshop (save the date: June 21-26, 2020). Acceptance decisions will be announced to each applicant by April 1.

Last but not least, we are thrilled to announce that our TREC Training Program baseline paper has been accepted and is in press with *Translational Behavioral Medicine*. This publication reports outcomes from our Workshop's inaugural cohort (2017 Fellows) and is the first publication documenting the impact of the TREC Workshop Program on scientific productivity of early career investigators in energy balance and cancer. **We thank all who participated in the initial cohort of the TREC Training Program**, and we hope that this is the first of a series of publications to showcase the Workshop's impact.

Irwin ML, Lowry D, Neuhouser ML, Ligibel J, Schmitz K, Patterson RE, Colditz G, Li F, Nebeling L.

Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results. *Transl Behav Med*. In press.

We are so honored to be part of the TREC community – thank you for all YOU do for transdisciplinary and translational energy balance and cancer research.

Enjoy your February TREC *Connects* Newsletter!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Funding Opportunities

NCI's Provocative Questions 2020

NCI has published the 2020 Provocative Question Funding Opportunity Announcements in support of R01 and R21 applications. The first receipt date is April 30, 2020. Please share this update with your teams and networks.

<https://provocativequestions.cancer.gov/>

Check out PQ's (#1, 2, & 6) that might be of particular interest to Energetics, Obesity and Cancer research investigators.

<https://provocativequestions.cancer.gov/current-rfas-and-pqs>

Link to the RFA Funding Announcements

<https://grants.nih.gov/grants/guide/rfa-files/rfa-ca-20-004.html>

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-005.html>

APA Prize for Interdisciplinary Team Research: Call for Applications

For our psycho-oncology colleagues – please see this opportunity of potential interest:

The American Psychological Association Prize for Interdisciplinary Team Research recognizes an interdisciplinary research team that includes one or more psychological scientists in major roles and has produced significant scientific work. The team selected for the prize will receive \$5000 to help support its continued research. **Application deadline is May 1, 2020.** <https://www.apa.org/science/about/psa/2020/01/interdisciplinary-team-research>

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See other relevant conference opportunities, below.

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TREC Webinar Series – next scheduled is March 25 at 10-11am Pacific Time (1-2pm Eastern)!

This month, for the concluding webinar of our first series, we will feature TREC Fellows **Siobhan Phillips, PhD** (TREC cohort 2017) and **Hisham Hussan, MD** (cohort 2018).

Know of others who may like to attend our Webinars? Have them email Diana who will add them to the distribution list.

Call for TREC fellows to present next series! Immediately after the upcoming March webinar, a call for volunteer presenters will be issued for our next series which will begin in September 2020 (see dates below). Any TREC Fellow is eligible to present – spots go quickly so keep your eye on email for the call for presenters – or feel free to notify Diana now that you would like a slot! You can reach her at dlowry@fredhutch.org.

Next TREC Webinar Series – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

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- Nov 18, 2020
- Jan 27, 2021
- Mar 24, 2021

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 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **ASPO Lifestyle Behaviors, Energy Balance and Chemoprevention SIG Webinar – Microbiome Research in Cancer Prevention.**

- **February 11, 2020 from 12-1pm Pacific time (3-4pm Eastern)**
- Speakers: Johanna Lampe, Emily Vogtmann, Jiyoung Ahan (NYU School of Medicine)
- Link to webinar: https://aspo.org/wp-content/uploads/JoinWebinar_2.11.20.pdf

Other in-person conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

A Nature Conference: Transdisciplinary Cancer Interception – Leveraging Biology to Improve Prevention and Detection

SAVE THE DATE, March 9-11, 2020, in Salt Lake City, UT at Huntsman Cancer Institute

Identifying the mechanisms of cancer initiation and its origins/early stages has important implications for improving early detection, cancer prevention and treatment. This conference aims to examine mechanisms at the cellular level, as well as system-wide influences. It will include cutting-edge research on what ‘steps’ a normal cell must go through to become cancerous, and what the cell of origin for a cancer is. Information and registration:

<https://www.nature.com/natureconferences/tci20/index.html>

ASPO 2020 Meeting: Joint Special Interest Group Breakfast on Monday, March 23 from 8-9:30am, Tucson, AZ.

Lifestyle Behaviors, Energy Balance and Chemoprevention and Survivorship & health Outcomes/Comparative Effectiveness Research SIG

Lifestyle Research to Improve Outcomes in Cancer Survivors: from Chemoprevention to Behavioral Modification.

- Speakers: Carrie Daniel-MacDougall, Sherry Chow, Tracy Crane, Ying Wang
- ASPO meeting registration: due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

Transdisciplinary Community-based Participatory Research Training Workshop

SAVE THE DATE, June 11-13, 2020, in Memphis, TN

Featuring nationally recognized experts in Community-Based Participatory Research (CBPR), this 2 ½ day workshop is geared especially for early stage investigators from various research and/or clinical backgrounds as well as researchers and clinicians more advanced in their career who want to further hone their community engagement skills. Trainees will learn how to create and sustain community partnerships in order to meaningfully impact cancer health disparities. In addition, opportunity will be provided to dialogue with experts in CBPR who will present on a variety of CBPR components and discuss exemplars in CBPR research across the cancer continuum. In addition, trainees will have the opportunity to develop their own study ideas and receive feedback from CBPR experts. Trainees will engage in experiential learning and also will be invited to tour the National Civil Rights Museum. Finally, trainees will be paired with a research mentor through the National Research Mentoring Network (NRMN) for continued research mentorship for 1 year following the workshop. Applications will be accepted through March 1, 2020. Registration is free but is limited to 50 trainees--apply early! Decisions regarding acceptance will be made on a rolling basis. More information about the workshop and the workshop application form can be found [here](#).

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

The goals of this opportunity are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists. For more information and to register and submit an abstract:

<https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference “**Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. The purpose of the conference is to facilitate discussion among nutrition, physical activity, and obesity researchers about the translation of data between animal, clinical, and population research, with an emphasis on the level of evidence needed for practice change. The conference will start with a keynote lecture followed by a poster session reception on Thursday evening. Friday will include sessions on physical activity, nutrition, body composition,

and translation of research into practice. Saturday morning sessions will be geared toward trainees and early career investigators and will include career development sessions and brief presentations on “hot topics” related to energy balance and cancer. Confirmed speakers include Melinda Irwin, Steve Hursting, Johanna Lampe, Andrew Dannenberg, Wendy Demark-Wahnefried, Zobeida Cruz-Monseurrate, Steve Clinton, Kerry Courneya, Mark Dewhirst, Robert Chapkin, Kathryn Schmitz, Carol Fabian, and former TREC Fellows Jennifer McQuade and Neil Iyengar. Call for abstracts will be available in March, 2020. Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations, All!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Justin Brown

AICR Award

Title: The Effects of Aerobic Exercise on Circulating Tumor DNA in Patients with Stage I-III Colon Cancer

PI: Justin Brown

Susan G. Komen Breast Cancer Challenge presented by The Obesity Society

Title: The Edmonton Obesity Staging System and Breast Cancer Risk and Prognosis in Mississippi, Alabama, and Louisiana: A Population-Based Study of 450,000 Women

PI: Igor Koturbash

Bergstrom Nutrition

Title: Methylsulfonylmethane (MSM) as a mitigator of the Cannabidiol/Acetaminophen liver injury in the mouse model.

Pilot Project Leader: Igor Koturbash

NIH U54 / Arkansas Center for Health Disparities

Title: Novel molecular biomarkers of previous radiation exposure and radiation-induced health effects in Northwest Arkansas Marshallese

PI: Kah Poh (Melissa) Loh

NIH K99 Award

Title: A Novel Mobile Health Exercise Intervention for Older patients with Myeloid Neoplasms

PI: Scher Mama

NIH K07

Title: Adaptation and implementation of a community-based intervention to reduce psychosocial distress and promote physical activity in rural breast cancer survivors

PI: Scher Mama

Penn State Cancer Institute (catchment area institutional pilot award)

Title: An adapted physical activity intervention to reduce psychosocial distress and improve microvascular function in rural adults with cancer

PI: Leland Methany

Institutional Grant

Title: Team Science Award for Clinical Trial Fecal Microbiotal Transplant for Acute Graft Versus Host Disease of the Gut

Co-I: Susan Schembre

NIH/NIDDK R41 SBIR Phase I Award

Title: mDGS: A Novel Mobile Dietary Guidance System for the Management of Type 2 Diabetes Using CGM-based Hyperglycemia Prediction

PI: Renate Winkels

WCRF International / Wereld Kanker Onderzoek Fonds (WKOF)

Title: Will improved adherence to WCRF/AICR cancer prevention recommendations lead to less fatigue in colorectal cancer survivors? A randomized controlled trial.

And in case you missed these in prior TREC newsletters:

PI: Rishi Jain

Special Interest Pilot funded by ACS (#15-175-23) with institutional matching funds from Fox Chase Cancer Center

Title: Improving Dietary Quality in Patients on Surveillance for Colorectal Cancer Using a Computerized Food Frequency Questionnaire

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network

Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)

Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

1R37CA225877 (funded Feb. 2019)

Title: Multi-site Adaptive Trial of a Technology-based, EHR-integrated Physical Activity Intervention in Breast and Endometrial Cancer Survivors

PI: Lisa Cadmus-Bertram

1R03CA230965 (funded Apr 2019)

Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results. **Irwin ML, Lowry D, Neuhouser ML, Ligibel J, Schmitz K, Patterson RE, Colditz G, Li F, Nebeling L.** *Transl Behav Med.* **2020 [In press].** PMC Journal – In Process. PMID: In Process. DOI: In Process.

Rising incidence of colorectal cancer in young adults corresponds with increasing surgical resections in obese patients. **Hisham Hussan;** Arsheya Patel; Melissa Le Roux; Zobeida Cruz-Monserrate; Kyle Porter; Steven K. Clinton; John M. Carethers; **Kerry S. Courneya.** Provisionally accepted to *Clinical and Translational Gastroenterology*, pending minor revisions.

Randomized Phase II Trial of Physical Activity, Metformin, or Both on Metabolic Biomarkers in Colorectal and Breast Cancer Survivors. Meyerhardt JA, **Irwin ML**, Jones LW, Zhang S, Campbell N, **Brown JC**, Pollak M, Sorrentino A, Cartmel B, Harrigan M, West M, Tolaney S, Winer E, Ng K, Abrams T, Fuchs CS, **Sanft T**, Douglas PS, Hu F, **Ligibel JA.** *Journal of the National Cancer Institute Cancer Spectrum.* **2019 [In press].** PMC Journal – In Process. PMID: In Process. DOI: In Process.

Diabetes and Clinical Outcome in Patients with Metastatic Colorectal Cancer: CALGB 80405 (Alliance). **Brown JC**, Zhang S, Ou F-S, Venook AP, Niedzwiecki D, Lenz HJ, Innocenti F, O'Neill BH, Shaw JE, Polite BN, Denlinger CS, Atkins JN, Goldberg RM, Ng K, Mayer RJ, Blanke CD, O'Reilly EM, Fuchs CS, Meyerhardt JA. *Journal of the National Cancer Institute Cancer Spectrum.* **2019 [In press].** PMC Journal – In Process. PMID: In Process. DOI: In Process.

A faith-based mind-body intervention to improve psychosocial well-being among rural adults. **Mama SK**, Bhuiyan N, Bopp MJ, **McNeill LH**, Lengerich EJ, Smyth JM. **2019 (In press)**. *Translational Behavioral Medicine*.

Exercise and Weight Loss Among Breast Cancer Survivors with Lymphedema. **Schmitz KH**, Troxel AB, **Dean LT**, Michele A, **Brown JC**, **Sturgeon KM**, Zhang Z, Evangelisti M, Spinelli B, Kallan MJ, Denlinger C, Cheville AL, **Winkels RM**, Sarwer DB. *JAMA Oncology*. **2019 [In press]**. PMID: PMC6696732. PMID: 31415063. DOI: 10.1001/jamaoncol.2019.2109.

Understanding nutritional problems of metastatic breast cancer patients: Opportunities for supportive care through eHealth. Oostra D, Burse N, Wolf L, **Mama S**, Bluethmann S, **Schmitz K**, **Winkels R**. *Cancer Nursing*. **2019 (In press)**.

An ecological momentary assessment study investigating self-efficacy and outcome expectancy as mediators of acute affective and physiological response and physical activity among endometrial cancer survivors. **Liao, Y.**, Song, J., Robertson, M. C., Cox-Martin, E., & **Basen-Engquist, K. M.** **[2020: in press]**. *Annals of Behavioral Medicine*.

Design of a Novel Physical Activity Intervention in Overweight and Obese Adults Using Continuous Glucose Monitoring: A Pilot Study. **Yue Liao, Karen M. Basen-Engquist**, Diana L. Urbauer, Therese B. Bevers, Ernest Hawk, **Susan M. Schembre**. *Cancer Epidemiology, Biomarkers & Prevention (pending press)*

[Physical Activity Reduces the Risk of Recurrence and Mortality of Cancer Patients](#). **Brown JC**, Gilmore LA. *Exerc Sport Sci Rev*. 2019 Dec 6. doi: 10.1249/JES.0000000000000214. [Epub ahead of print]. PMID: 31913187

[Putting Exercise into Oncology Practice: State-of-the-Science, Innovation, and Future Directions](#). **Brown JC**, Ligibel JA. *The Cancer Journal*. 2019;25(5):316-319. PMID: PMC6815198. PMID: 31567458. DOI: 10.1097/PPO.0000000000000397.

[The Association of Abdominal Adiposity with Mortality in Patients with Stage I-III Colorectal Cancer](#). **Brown JC**, Caan BJ, Prado CMM, **Cespedes Feliciano EM**, Xiao J, Kroenke CH, Meyerhardt JA. *J Natl Cancer Inst*. 2019 Jul 29. pii: djz150. doi: 10.1093/jnci/djz150. [Epub ahead of print]. PMID: 31355882. DOI: 10.1093/jnci/djz150.

[Body Composition and Cardiovascular Events in Patients with Colorectal Cancer: A Population-Based Cohort Study \(C-SCANS\)](#). **Brown JC**, Caan BJ, Prado CM, Weltzien E, Xiao J, **Cespedes Feliciano EM**, Kroenke CH, Meyerhardt JA. *JAMA Oncology*. 2019;5(7):967-972. PMID: PMC6537811. PMID: 31095251. DOI: 10.1001/jamaoncol.2019.0695.

[Physical activity in older cancer survivors: What role do multimorbidity and perceived disability play?](#) Bluethmann SM, Foo W, **Winkels R**, **Mama SK**, **Schmitz KH**. *Journal of Aging and Physical Activity*. 2019 Nov 6:1-9. doi: 10.1123/japa.2019-0086. [Epub ahead of print]

[Comparing multiple measures of physical activity in African American adults](#). **Mama SK**, Bhuiyan N, Lee RE, **Basen-Engquist K**, Wetter DW, Thompson D, **McNeill LH**. *American Journal of Health Behavior*. 2019;43(5):877-886.

[Group-based exercise interventions for increasing physical activity in cancer survivors: a systematic review of face-to-face randomized and non-randomized trials](#). **Leach HJ**, **Mama SK**, Harden SM. *Supportive Care in Cancer*. 2019 May;27(5):1601-1612.

[Energy balance related lifestyle factors and risk of endometrial and colorectal cancer among individuals with lynch syndrome: a systematic review](#). **Coletta AM**, Peterson SK, Gatus LA, Krause KJ, **Schembre SM**, Gilchrist SC, Pande M, Vilar E, You YN, Rodriguez-Bigas MA, **Strong LL**, Lynch PM, Lu KH, **Basen-Engquist K**. *Fam Cancer*. 2019 Oct;18(4):399-420. doi: 10.1007/s10689-019-00135-7. Epub 2019 Jun 24. Review.

[The Association of Maternal Perceived Stress With Changes in Their Children's Healthy Eating Index \(HEI-2010\) Scores Over Time](#). O'Connor SG, Huh J, **Schembre SM**, Lopez NV, Dunton GF. *Ann Behav Med*. 2019 Aug 29;53(10):877-885. doi: 10.1093/abm/kay095.

[The reality of “food porn”: Larger brain responses to food-related cues than to erotic images predict cue-induced eating.](#) Versace F, Frank DW, Stevens EM, Deweese MM, Guindani M, **Schembre SM**. Psychophysiology. 2019 Apr;56(4):e13309. doi: 10.1111/psyp.13309. Epub 2018 Dec 16.

[Momentary affect, stress coping, and food intake in mother-child dyads.](#)

Mason TB, O'Connor SG, **Schembre SM**, Huh J, Chu D, Dunton GF. Health Psychol. 2019 Mar;38(3):238-247. doi: 10.1037/hea0000714.

[Methionine dietary supplementation potentiates ionizing radiation-induced gastrointestinal syndrome.](#) Miousse IR, Ewing LE, Skinner CM, Pathak R, Garg S, Kutanzi KR, Melnyk S, Hauer-Jensen M, **Koturbash I**. *Am J Physiol Gastrointest Liver Physiol*. 2020 Jan 21. doi: 10.1152/ajpgi.00351.2019. [Epub ahead of print]

[NZO/HILtJ as a novel model for the studies on the role of metabolic syndrome in acute radiation toxicity.](#) Ewing LE, Miousse IR, Pathak R, Skinner CM, Kosanke S, Boerma M, Hauer-Jensen M, **Koturbash I**. *Int J Radiat Biol*. 2020 Jan;96(1):93-99. doi: 10.1080/09553002.2018.1547437. Epub 2019 Jan 14. PubMed PMID: 30561233; PubMed Central PMCID: PMC6581619.

[Gastrointestinal Microbiome and Mycobiome Changes during Autologous Transplantation for Multiple Myeloma: Results of a Prospective Pilot Study.](#) El Jurdi N, Filali-Mouhim A, Salem I, Retuerto M, Dambrosio NM, Baer L, Lazarus HM, Caimi P, Cooper B, Tomlinson B, **Metheny L**, Malek E, Otegbeye F, Sekaly RP, Ghannoum M, de Lima M. *Biol Blood Marrow Transplant*. 2019 Aug;25(8):1511-1519. doi: 10.1016/j.bbmt.2019.04.007. Epub 2019 Apr 5.

[Posttransplant maintenance therapy for acute leukemias.](#) Poudel SK, de Lima M, **Metheny L**. *Curr Opin Hematol*. 2019 Mar;26(2):96-111. doi: 10.1097/MOH.0000000000000484.

[Hematopoietic stem cell transplant with HLA-mismatched grafts: impact of donor, source, conditioning, and graft versus host disease prophylaxis.](#) **Metheny L**, de Lima M. *Expert Rev Hematol*. 2019 Jan;12(1):47-60. doi: 10.1080/17474086.2019.1562331. Epub 2018 Dec 29.

[Comparison of Peripheral Blast Clearance and Day 14 Bone Marrow Biopsy in Predicting Remission Status and Survival After 7+3 Induction in Acute Myeloid Leukemia.](#) Covut F, Gupta D, Pinto R, Dambrosio N, El Jurdi N, Meyerson H, Ueda M, Kolk M, Creger R, **Metheny L**, Cooper BW, Caimi PF, Malek E, Otegbeye F, Lazarus HM, De Lima M, Tomlinson BK. *Clin Lymphoma Myeloma Leuk*. 2019 Feb;19(2):73-82. doi: 10.1016/j.clml.2018.11.001. Epub 2018 Nov 12.

[Synergy between licensed rehabilitation professionals and clinical exercise physiologists: optimizing patient care for cancer rehabilitation.](#) **Coletta AM**, Campbell A, Morris SG, **Schmitz KH**. *Semin Oncol Nurs*. 2020 Jan 29:150975. doi: 10.1016/j.soncn.2019.150975. [Epub ahead of print]

Appointments and Promotions!

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Hisham Hussan, MD. 2018 TREC Fellow. In September 2019, Hisham was promoted to Associate Professor in the Division of Internal Medicine, Molecular Carcinogenesis and Chemoprevention Research program, at The Ohio State University. Congratulations, Hisham!

Igor Kotarbash, MD, PhD. 2018 TREC Fellow. In 2019 Igor was promoted both to the Vice-Chair position in the Department of Environmental and Occupational Health at the University of Arkansas for Medical Sciences (UAMS), and to the Co-Director role in the UAMS Regulatory Science Program. Also in 2019 Igor received several honors and awards including Excellence in Mentoring Award (UAMS Graduate School), Advisory Board (American Herbal Pharmacopea),

appointment to the Editorial Board as Associate Editor of the Journal of Dietary Supplements, and as guest editor for other peer-reviewed journals. Wow, Igor, that is awesome!

Jamila Kwarteng, PhD. 2018 TREC Fellow. Jamila has been promoted to Assistant Professor of Community Health at the Medical College of Wisconsin. Way to go, Jamila!

David Cheng, PhD. 2017 TREC Fellow. Last month David moderated a National Town Hall – Our Community, Our Health (OCOH) on Cancer Survivorship. The event was livestreamed in over 60 universities and fielded a vast array of questions from the wide audience. David says that this event was part of his TREC-inspired take-aways and action plan from the Workshop: working with cancer survivors and advocates. Wonderful, David, congratulations. Let us know when the next one is so we can livestream it too!

Jingbing Bai, PhD, RN, FAAN. 2018 TREC Fellow. A big round of applause please to Jingbing who was recently inducted as a Fellow into the American Academy of Nursing (FAAN). Yay, Bing!!

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Career Opportunities

Submitted by **Erin Giles – Texas A & M University:**

The **Giles Lab** in the Department of Nutrition at Texas A&M University, College Station TX is looking for a motivated and driven post-doctoral fellow to study the effects of obesity and weight gain on postmenopausal breast cancer using preclinical and translational models. Opportunities are available to those interested in developing a project in collaboration with faculty at MD Anderson as part of the Cancer Prevention Research Training Program. The Giles Lab has both NIH/NCI and CPRIT funded projects studying the mechanisms by which obesity, weight gain, and adipose inflammation contribute to the development and growth of breast cancers after menopause. We use a translational approach to identify the mechanisms underlying the obesity-breast cancer relationship, and to determine how both pharmaceutical and life-style interventions (diet, exercise) can be used to decrease this risk.

Successful applicants will work collaboratively with research teams on project(s) related to our overall goal of decreasing obesity-associated cancers. Specific projects will depend on both the research interests and expertise of the fellow. Candidates should have research experience in the biomedical sciences. Expertise with any (or all) of the following techniques would be considered an asset: RNAseq, metabolomics, microscopy, immunohistochemistry / immunofluorescence, molecular biology techniques, gene expression, flow cytometry, animal models, and cell culture. The incumbent will be expected to plan and execute experiments independently, present findings in group settings, write research reports, publications, and proposals. Excellent writing, and communication skills are necessary. Candidates must also have the ability to work both independently and as part of a diverse team.

Selected applicants will be appointed to a two-year, full-time research postdoctoral fellowship position with a competitive salary and benefits. These positions are funded by a research training grant award from the Cancer Prevention and Research Institute of Texas (Award# RP170259, Drs. Shine Chang & Sanjay Shete, Principal Investigators). For more details about the CP RTP, please visit:

<https://www.mdanderson.org/education-training/clinical-research-training/postdoctoral-training/postdoctoral-fellowships/cprtp-postdoctoral-fellowship-in-cancer-prevention.html>

For inquiries specific to research projects in the Giles Lab, please email: egiles@tamu.edu. Please also visit our website: gilesab.tamu.edu. **All application documents are due Monday, February 17, 2020 by 11:59 p.m. CT.**

Submitted by **Siobhan Phillips – Northwestern University:**

Dr. Phillips' Exercise and Health Lab in the division of Behavioral medicine, Department of Preventive Medicine at Northwestern's Feinberg School of Medicine is seeking applications from strong candidates for a new **postdoctoral fellowship position** in physical activity promotion. This is a two-year, full-time position for an individual interested in understanding physical activity and sedentary behaviors, developing and implementing physical activity promotion and sedentary behavior reduction interventions in cancer prevention and control, and disseminating and implementing this research into practice. The funded fellow will actively participate in ongoing NIH funded studies focused on optimizing digital physical activity promotion in cancer survivors. Opportunities exist to contribute to project development, grant writing, study implementation and management, data analyses and manuscript writing (first- and co-author), and mentoring of undergraduate and graduate students and staff. The fellow will receive guidance in the development of independent research interests and grant proposals. The fellow will be able to take full advantage of training, education, and mentorship opportunities offered through Northwestern University. The candidate is expected to work in a highly collaborative, fast paced environment. To apply, please submit a cover letter, CV, list of 3 references and a brief (1-2 page) statement of research interests, experience, career goals and interest in the position to Dr. Siobhan Phillips (smphillips@northwestern.edu).

Submitted by **Hannah Arem – George Washington University:**

Assistant or Associate Professor of Epidemiology: <https://www.gwu.jobs/postings/72046>

Assistant, Associate, or Full Professor (Implementation and Dissemination Science for Social and Behavioral Interventions): <https://www.gwu.jobs/postings/72197>

Open Rank, Exercise and Nutrition Sciences (Obesity and/or Chronic Disease Prevention):
<https://www.gwu.jobs/postings/72021>

Submitted by **Diane Ehlers – University of Nebraska:**

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** and **undergraduate interns** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at NRG – January 2020!

TREC @ AICR – January 2020!



L-R: Jingbing Bai and Yue Liao



L-R: Melinda Irwin, Hannah (Arem) Muse, Linda Nebeling

TREC Connects! Volume 2, Issue 2 (Feb 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 3. March 2020

Greetings!

Happy March and welcome to the 4th edition of our monthly TREC Newsletter. Every March, the American Society of Preventive Oncology (ASPO) meeting occurs. This year, it will be held in Tucson, Arizona. TREC faculty members, **Karen Basen-Engquist** and **Cyndi Thomson**, will be front and center at ASPO this year, as ASPO President and ASPO-2020 Conference-University of Arizona liaison, respectively. Many of you from our TREC community will be attending and many of you are presenting! Congratulations! We would love to learn more about your presentations; please share photos of your poster and/or your abstract if a podium presentation – we will choose one or more to spotlight in our next TREC newsletter!

Dr. Basen-Engquist and other TREC Faculty are also organizing important transdisciplinary and translational conferences that will be held later this year – be sure to check these out in the announcements section below.

NEW for our newsletter this month we are piloting a *Spotlight* section (near the end) where we showcase in detail one of your TREC-inspired research projects that is getting significant media attention and is thus poised to move forward the field of transdisciplinary and translational energy balance and cancer research and practice. We are excited to showcase this month work done by TREC Faculty Members **Dorothy Sears** and **Ruth Patterson**, with others from the UCSD TREC. Check it out below. And let us know your thoughts about would you like this detailed spotlight section to be sustained for future newsletters as we wish to balance the length of the Newsletter with information that is most helpful to you. Assuming you'd like us to maintain the *Spotlight* section, it will be added to the call for content email.

We hope you enjoy reading the March TREC *Connects* Newsletter, and please feel free to share it with your colleagues!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Liao Yue

The University of Texas MD Anderson Cancer Center (internal institutional grant)

Title: Development of a novel wearable sensor-based exercise intervention for sedentary cancer survivors

The Duncan Family Institute Integrative Health Initiative Jason's Deli Funding Program

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

Please notify Diana of YOUR pubs to showcase in the next newsletter!

[Rural-urban differences in meeting physical activity recommendations and health status in cancer survivors in central Pennsylvania.](#) **Mama SK**, Bhuiyan N, Foo W, Segel JE, **Winkels RM**, Wiskemann J, Bluethmann SM, Calo W, Lengerich EJ, **Schmitz KH**. *Supportive Care in Cancer*. 2020. DOI: 10.1007/s00520-020-05342-y. [PMID: 32036469]

[Synergy Between Licensed Rehabilitation Professionals and Clinical Exercise Physiologists: Optimizing Patient Care for Cancer Rehabilitation](#). **Coletta AM**, Campbell A, Morris S, **Schmitz K**. *Seminars in Oncology Nursing*. Jan 2020 [in press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

[Vascular modulation through exercise improves chemotherapy efficacy in Ewing sarcoma](#). **Morrell MBG**, Alvarez-Florez C, Zhang A, Kleinerman ES, Savage H, Marmonti E, Park M, Shaw A, Schadler KL. *Pediatric Blood Cancer*. 2019 Sep;66(9):e27835. PMID: 31136074. PMCID: [PMC6646082](#) [Available on 2020-09-01] DOI: [10.1002/pbc.27835](#)

[Dietary intake and micronutrient deficiency in children with cancer](#). **Morrell MBG**, Baker R, Johnson A, Santizo R, Liu D, Moody K. *Pediatric Blood Cancer*. 2019 Oct;66(10):e27895. Doi: 10.1002/pbc.27895. PMID: 31286672.

[Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results](#). **Irwin ML**, **Lowry D**, **Neuhouser ML**, **Ligibel J**, **Schmitz K**, **Patterson RE**, **Colditz G**, **Li F**, **Nebeling L**. *Transl Behav Med*. 2020 [In press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Miriam (Morrell) Garcia, DO. 2017 TREC Fellow. After completing her fellowship at MD Anderson Cancer Center, Miriam recently accepted a clinical appointment as a pediatric hematologist/oncologist with the BayCare Health System in Tampa, FL. Miriam is thrilled to be treating patients daily while continuing to author or co-author research/review articles related to her work with TREC (see publications section above). Miriam is eager to stay in touch with the TREC community and she welcomes contact at her new email address Miriam.Garcia@baycare.org.
All the best your way, Miriam!

Christina Dieli-Conwright, PhD. 2017 TREC Fellow. Christina also is on the move both career wise and geographically! Earlier this winter Christina accepted a new faculty member position in the Division of Population Sciences in the Department of Medical Oncology at the Dana Farber Cancer Institute and Harvard Medical School – she and her family have completed their cross-country move from southern California to Boston and she welcomes you to visit her at DFCI! Christina's new email address is ChristinaM_Dieli-Conwright@DFCI.HARVARD.EDU. *Congratulations, Christina!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

ASPO – Abstracts closed. Meeting registration due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

AACR – Abstracts closed. April 24-29, San Diego. Details and registration [here](#).

ASCO – Late breaking abstracts due Mar 12. May 29-June 2, Chicago. <https://www.asco.org/meetings>

Other conferences? Let Diana know!

TREC Webinar Series – next scheduled is March 25 at 10-11am Pacific Time (1-2pm Eastern)!

For the concluding webinar of our first series, we will feature TREC Fellows **Siobhan Phillips, PhD** (TREC cohort 2017) and **Hisham Hussan, MD** (cohort 2018).

Know of others who may like to attend our Webinars? Have them email Diana who will add them to the distribution list.

Other Webinars of interest

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant

- **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
- 2019/2020 series concludes June 18
- For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **National Cancer Institute Webinar – *Intermittent Fasting and Time-Restricted Feeding: Implications for Biomarkers, Body Composition, and Cancer Outcomes***
 - **March 11, 2020 from 1pm – 2:30pm Eastern Time**
 - 1 of 3 invited speakers: **TREC Faculty Member Dorothy Sears**
 - NCI staff will also provide information about the recently published NCI provocative question #2 related to intermittent fasting (see FOA section above).
 - Register for this webinar [here](#).

Other in-person conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

A Nature Conference: Transdisciplinary Cancer Interception – Leveraging Biology to Improve Prevention and Detection

SAVE THE DATE, March 9-11, 2020, in Salt Lake City, UT at Huntsman Cancer Institute

Identifying the mechanisms of cancer initiation and its origins/early stages has important implications for improving early detection, cancer prevention and treatment. This conference aims to examine mechanisms at the cellular level, as well as system-wide influences. It will include cutting-edge research on what ‘steps’ a normal cell must go through to become cancerous, and what the cell of origin for a cancer is. Information and registration:

<https://www.nature.com/natureconferences/tci20/index.html>

Transdisciplinary Community-based Participatory Research Training Workshop

SAVE THE DATE, June 11-13, 2020, in Memphis, TN

Featuring nationally recognized experts in Community-Based Participatory Research (CBPR), this 2 ½ day workshop is geared especially for early stage investigators from various research and/or clinical backgrounds as well as researchers and clinicians more advanced in their career who want to further hone their community engagement skills. Trainees will learn how to create and sustain community partnerships in order to meaningfully impact cancer health disparities. In addition, opportunity will be provided to dialogue with experts in CBPR who will present on a variety of CBPR components and discuss exemplars in CBPR research across the cancer continuum. In addition, trainees will have the opportunity to develop their own study ideas and receive feedback from CBPR experts. Trainees will engage in experiential learning and also will be invited to tour the National Civil Rights Museum. Finally, trainees will be paired with a research mentor through the National Research Mentoring Network (NRMN) for continued research mentorship for 1 year following the workshop. Applications will be accepted through March 1, 2020. Registration is free but is limited to 50 trainees--apply early! Decisions regarding acceptance will be made on a rolling basis. More information about the workshop and the workshop application form can be found [here](#).

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

Join TREC Faculty member **Dr. Steve Hursting**, TREC Alumna **Carmina Valle** and others at this symposium! The goals are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists. For more information and to register and submit an abstract: <https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference **“Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer”** will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful

parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Submit your abstracts [here](#). Abstracts due June 1, 2020.

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

The 2020 AICR Research Conference

SAVE THE DATE, October 26-28, in Leesburg, VA

The Conference Program Planning Committee for AICR-2020 has been announced and includes researchers and clinicians well-known to TREC: Wendy Demark-Wahnefried, Edward Giovannucci, Nigel Brockton, Melissa Hudson, Neil Iyengar, Jeffery Meyerhardt, Erik Nelson, and Katie Schmitz. This conference will be held at the Lansdowne Resort and Spa in Leesburg, VA. Questions: contact AICR at research@aicr.org.

Funding Opportunities

NCI's Provocative Questions 2020

NCI has published the 2020 Provocative Question Funding Opportunity Announcements in support of R01 and R21 applications. The first receipt date is April 30, 2020. Please share this update with your teams and networks.

<https://provocativequestions.cancer.gov/>

Check out PQ's (#1, 2, & 6) that might be of particular interest to Energetics, Obesity and Cancer research investigators.

<https://provocativequestions.cancer.gov/current-rfas-and-pqs>

Link to the RFA Funding Announcements

<https://grants.nih.gov/grants/guide/rfa-files/rfa-ca-20-004.html>

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-005.html>

APA Prize for Interdisciplinary Team Research: Call for Applications

For our psycho-oncology colleagues – please see this opportunity of potential interest:

The American Psychological Association Prize for Interdisciplinary Team Research recognizes an interdisciplinary research team that includes one or more psychological scientists in major roles and has produced significant scientific work. The team selected for the prize will receive \$5000 to help support its continued research. **Application deadline is May 1, 2020.** <https://www.apa.org/science/about/psa/2020/01/interdisciplinary-team-research>

Career Opportunities

Submitted by **Renate Winkels – Wageningen University (The Netherlands):**

Faculty position for an Assistant/Associate Professor at Wageningen University.

The Division of Human Nutrition and Health at Wageningen University seeks candidates with a background in epidemiology, physiology, medicine and/or biomedical sciences with ample experience in nutrition research. The candidate is expected to focus on the role of cardiometabolic diseases in the development of other chronic disorders, such as kidney disease, cancer and neurodegenerative diseases. This broadly skilled and innovative scientist is able to integrate data from different sources (e.g. GWAS, blood biomarkers, clinical parameters) to obtain a better understanding of the shared pathophysiology of cardiometabolic and other chronic diseases. The candidate preferably has experience with epidemiological cohort studies and risk prediction.

<https://www.academictransfer.com/en/289248/assistant-professor-in-nutrition-and-cardiometabolic-complications-tenure-track/>

Deadline for applications: March 7th.

Submitted by **Ian Kleckner – University of Rochester:**

Now accepting applications for T32 fellowship program (could be a first or second postdoc) with a Research Assistant Professor title to study cancer control / cancer behaviors / cancer symptom management.

Dr. Kleckner says, “This might not be relevant to a lot of TREC fellows themselves (who are already faculty) but TREC fellows or faculty might know others who could be a good fit for people coming towards the end of PhD or a first year postdoc.” Please help Dr. Kleckner spread the word!

Program features:

- Emphasis on transdisciplinary clinical and translational research and resources to leverage opportunities to conduct cancer control research
- Diverse mentorship provided by NCI-funded Core mentors (including those involved in NCORP) and 15 on-site mentors
- Training in specialty areas including: Phase I-III clinical trials; geriatric oncology, exercise oncology, cancer care delivery research; translational research, health equity, patient/participant-oriented research, health outcomes research, and biostatistics
- Building competencies in successful research funding
- and many others!

<https://www.urmc.rochester.edu/cancer-institute/education/cancer-control-research-training-program.aspx>
www.futureresearchers.org

Applications are due ASAP.

Submitted by **Marian Neuhouser – Fred Hutchinson Cancer Research Center**

The Cancer Prevention Program at Fred Hutchinson Cancer Research Center is seeking a candidate in dissemination and implementation science for a full-time faculty member at the Assistant, Associate or Full Member level (equivalent to Assistant/Associate/Full Professor). We invite candidates with research focused on cancer-related dissemination and implementation science. Areas of research interest include developing and testing dissemination or implementation strategies, observational studies of real-world dissemination or implementation, hybrid implementation-effectiveness trials, and research on barriers and/or facilitators to disseminate and implement evidence-based practices across the cancer care continuum.

Candidates should have experience with a variety of implementation theories, models and frameworks or those commonly used in behavioral, communication, organizational sciences, or related fields. Candidates should have experience with a variety of evaluative and data analysis methods. Candidates who study social, behavioral, economic, and management factors that impact implementation of evidence-based cancer-related health interventions will be highly valued.

Applicants must have a research or clinical doctorate (e.g., PhD, MD or equivalent degree) with training in anthropology, behavioral science, behavioral economics, communication, decision sciences, psychology, organization behavior, sociology, or other related fields. Candidates with a strong track record of peer-reviewed publications and research funding success will be prioritized.

[Application Instructions](#)

Candidates should submit a:

- 1) Cover letter
- 2) Curriculum Vitae
- 3) Research statement (including future research plans and career goals)
- 4) Three letters of reference
- 5) Diversity statement [describing your past contributions to diversity, equity, and inclusion and your future plans for continuing these efforts as a faculty member (diversity statement should be one page or less)]

Applications received by April 15th, 2020 will be given priority consideration.

Apply here: <https://apply.interfolio.com/73202>

Submitted by **Katie Sturgeon – Penn State University College of Medicine:**

The Department of Public Health Sciences (PHS) at the Penn State College of Medicine is seeking applicants to fill a tenure-eligible position at the rank of **Assistant Professor** with the Division of Epidemiology, the Department of Public Health Sciences. The Department consists of three academic divisions, namely, Biostatistics and Bioinformatics, Epidemiology, and Health Services and Behavioral Research. There are more than 60 faculty members in the Department (34 tenured/tenure-eligible) and more than 70 support staff members. PHS provides a strong infrastructure for its faculty members in the areas of biostatistics, study design, data management, research computing, project management, and finance and administration. PHS offers five Graduate programs, namely, PhD in Epidemiology, PhD in Biostatistics, Doctor of Public Health (DrPH), Master of Public Health (MPH), and Master of Science (MS) in Clinical Research, as well as several Graduate Certificate programs. The successful candidate is expected to contribute to the Department's research and education programs by developing an externally-funded research program in either **Nutritional Epidemiology or Genetic and Molecular Epidemiology**. Collaborations with researchers in PHS, the Penn State Cancer Institute, and other College of Medicine clinical and basic science departments are available. The successful candidate is expected to teach a graduate-level course in either Nutritional Epidemiology or Molecular and Genetic Epidemiology of Chronic Disease. Mentoring graduate students is expected. The successful candidate should possess a doctoral degree in Epidemiology or a related discipline. Candidates with post-doctoral training and/or strong publication records are highly desirable. With its location in Hershey, near Harrisburg, PA, PHS has a strong collaborative relationship with public health scientists and practitioners within the Pennsylvania Department of Health. Review of applications will begin immediately and continue until the position is filled. The salary will be commensurate with the candidate's experience and credentials. Candidates should apply and submit a letter of application to include a statement of current and future research interests, curriculum vitae, and names with contact information for three professional references. <https://psu.jobs/job/91748>

Detailed Spotlight on a TREC-inspired Project

Sitting Time Impacts Cancer and Cardiometabolic Disease Risk in Postmenopausal Women.

TREC Workshop Faculty: **Dorothy Sears, Ruth Patterson**

Older women are the fastest growing population in the US. After menopause, women experience a dramatic increase in risk for metabolic dysregulation and obesity, which increases their risk for cancer, cardiovascular disease, and type 2 diabetes. For these reasons, it is critical to understand how modifiable behaviors impact this risk. Accumulating evidence shows that prolonged sitting is a highly prevalent behavior, associated with cardiometabolic and mortality risk, and greatest in older adults. Thus, overweight or obese postmenopausal women who partake in prolonged sitting time have highly compounded cardiometabolic and cancer risk.

We objectively measured sitting time in 518 women (mean (SD) 63.4 (5.9) years old, body mass index (BMI) 31.4 (4.8) kg/m²) and looked for associations between sitting time and biomarkers of cancer and cardiometabolic risk. The overall sample had an average total sitting time per day of approximately 9 hours and an average sitting bout duration of 39 minutes. A sitting "bout" is a period of uninterrupted sitting time. These sitting time measures were significantly associated with cancer and cardiometabolic disease (heart and type 2 diabetes) risk factors, including greater BMI, waist circumference, fasting blood glucose, insulin, and insulin resistance.

The strongest biomarker associations with the sitting measures were for fasting insulin and insulin resistance, which are important predictive and mechanistic biomarkers of risk for cancer, heart disease, and type 2 diabetes. As you can see, accumulation of greater sitting time, in bouts or across the day, is quite detrimental:

- Each additional hour of daily sitting time was linked with a more than 6% higher fasting insulin and a more than 7% increase in insulin resistance; and
- Each additional 15 minutes in average length of uninterrupted sitting period was associated with a greater than 7% higher fasting insulin and an almost 9% increase in insulin resistance.

Importantly, these associations were still significant after adjusting for exercise or for body mass index.

We also observed that Hispanic women sat for less total daily time and for shorter sitting bouts than non-Hispanic women. In exploratory analyses, we found that the detrimental association between uninterrupted periods of sitting (sitting “bouts”) and fasting blood glucose may be greater in Hispanic women than in non-Hispanic women ($p_{\text{int}}=0.03$). This last finding is intriguing and needs to be corroborated in larger studies.

We controlled for confounding factors such as age, physical functioning, education, ethnicity, and marital status in our analyses, so these factors do not explain our findings. The associations persisted even when we controlled for exercise, meaning that the exercise participants conducted did not mitigate the negative effects of their sitting time.

Evidence from our study and that of others show that prolonged sitting time is a cancer and cardiometabolic health risk factor and should be discussed by clinical and healthcare professionals with patients. Clinicians and other health care providers should encourage patients to reduce their sitting time, total daily sitting time and uninterrupted bouts of sitting, in addition to encouraging physical activity. Other studies from our team and those of others suggest that, in older adults, replacing sitting time with standing or light activity may be health-promoting and, in practice, more feasible than with exercise. Accumulating evidence suggests that sitting time interruptions should be practiced throughout the day and need not be high intensity or long in duration.

Future areas of research: Additional research in larger multi-ethnic/race populations is needed to validate whether sitting time impacts Hispanic women more negatively than non-Hispanic women. Sitting time is pervasive and negatively impacts people of all ages and sex so, research in populations across the lifespan is needed. Our study was a single time point cross-sectional study looking at associations. Studies with multiple timepoint measures over time are needed. We are engaged in three large controlled research studies that aim to reduce sitting time in sedentary postmenopausal women. We are very interested to see if cancer and cardiometabolic risk is reduced in these women when their sitting time is reduced. These intervention studies will also inform us about what recommendations we can make to the public about how and how often to feasibly break up sitting time in a way that will promote better health outcomes.

Funding

Our study was supported by funds from an American Heart Association Go Red for Women Strategically Focused Research Network grant (16SFRN28420000), the National Institutes of Health (R01CA179977, U54CA155435 (UCSD TREC Center), T32HL079891), and the California Walnut Commission.

Publication link

Journal of the American Heart Association paper (part of a special Go Red for Women section in this JAHA issue):

<https://www.ahajournals.org/doi/epub/10.1161/JAHA.119.013403>

AHA Press Release

<https://newsroom.heart.org/news/sitting-more-is-associated-with-higher-heart-disease-risk-in-older-women>

Health Day story

<https://consumer.healthday.com/women-s-health-information-34/misc-women-s-problem-news-707/couch-potato-lifestyle-poses-danger-to-women-s-hearts-754970.html>

Photo Gallery

TREC at NRG – January 2020!

TREC @ AICR – January 2020!



L-R: Jingbing Bai and Yue Liao



L-R: Melinda Irwin, Hannah (Arem) Muse, Linda Nebeling

TREC Connects! Volume 2, Issue 3 (Mar 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 4. April 2020

Greetings!

Dear TREC Community,

So much has happened since we sent out our March newsletter. First and foremost, we hope and pray that you are all healthy and able to be with family during this time. The TREC Senior Advisory Board has had numerous calls regarding our June 2020 TREC workshop, which will be our 4th workshop. In an effort to do our part to end the COVID-19 pandemic, we will not come together *in person* in June, but will do so virtually! We are planning an exciting 6-day virtual TREC workshop (June 21-26), similar in content to the previous years, but tweaked a bit given the online nature of the course. However, we are planning to welcome back our TREC Faculty and Year 4 Fellows for a 2-day in-person workshop at Waters Edge Resort this Fall 2020 (dates TBD soon). The Year 4 TREC Fellows will be the focus of the 2-day workshop, with each of them presenting their research to the Faculty. This change in how we deliver the workshop will also provide us with preliminary data for our TREC R25 competitive renewal (to be submitted this Fall) and how a future TREC workshop may weave together an online course with a shortened in-person workshop, so as to be able to reach and include more early career investigators and disseminate the research you all are doing to a wide audience. With that said, exciting news below from our TREC Fellows and Faculty. Thinking of you all and looking forward to brighter days to come, together.

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Liao Yue

The University of Texas MD Anderson Cancer Center (internal institutional grant)

Title: Development of a novel wearable sensor-based exercise intervention for sedentary cancer survivors

The Duncan Family Institute Integrative Health Initiative Jason's Deli Funding Program

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Dietary advanced glycation end products and the risk of postmenopausal breast cancer in the National Institutes of Health-AARP Diet and Health Study.](#) Peterson LL, Park S, Park Y, Colditz GA, Anbardar N, Turner DP. *Cancer*. 2020 Feb 25. Doi: 10.1002/cncr.32798. [Epub ahead of print].

[Associations of skeletal muscle mass, fat mass and mortality among men and women with stage I-III colorectal cancer.](#) van Baar H, Winkels RM, Brouwer GM, et al. *Cancer Epidemiol Biomarkers Prev*. 2020 Mar 4. pii: cebp.1134.2019. doi: 10.1158/1055-9965.EPI-19-1134. [Epub ahead of print]

[Using Continuous Glucose Monitoring to Motivate Physical Activity in Overweight and Obese Adults: A Pilot Study.](#) Liao Y, Basen-Engquist KM, Urbauer DL, Bevers TB, Hawk ET, Schembre SM. *Cancer Epidemiol Biomarkers Prev*. 2020 Apr;29(4):761-768. doi: 10.1158/1055-9965.EPI-19-0906. Epub 2020 Feb 17.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Jessica McNeil, PhD. 2017 TREC Fellow. Jessica has accepted an Assistant Professor position at the University of North Carolina at Greensboro and will be moving there from the University of Calgary in August 2020! Once Jessica's move is complete, we will share new email address/contact info in this newsletter! And please see Jessica's tips for coping with the pandemic, in the special newsletter section, below. *Congratulations on your promotion, Jessica!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

ASCO – Abstracts closed. May 29-June 2, Chicago. <https://www.asco.org/meetings>

Other conferences? Let Diana know!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. All TREC fellow alumni are invited to present! The call for speakers went out last month – we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org. Series 2 webinar dates will be:

- Sept 23, 2020
- Nov 18
- Jan 27, 2021
- Mar 24

Other Webinars of interest

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant
 - **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org

Other conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

Join TREC Faculty member **Dr. Steve Hursting**, TREC Alumna **Carmina Valle** and others at this symposium! The goals are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists. For more information and to register and submit an abstract: <https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference **"Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer"** will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or

population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

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Funding Opportunities

NCI Administrative Supplement Announcement -- NOSI for the Use of Existing Body Composition Data

This announcement is for an administrative supplement, requiring an active NCI grant with at least 1 year left in the grant period.

Notice of Special Interest (NOSI): Administrative Supplements for the Use of Existing Body Composition Data to Understand Treatment-Related Outcomes in Clinical Trials and Observational Studies

<https://grants.nih.gov/grants/guide/notice-files/NOT-CA-20-036.html>

Anyone with questions is welcome to contact Dr. Elena, below is her contact information.

Joanne Elena, PhD, MPH
Program Director, Clinical and Translational Epidemiology Branch
Cohort Studies Coordinator, Epidemiology and Genomics Research Program
Division of Cancer Control and Population Sciences
National Cancer Institute
9609 Medical Center Drive, rm 4E206
Rockville, Maryland 20850
Tel: (240) 276-6818
Email: elenajw@mail.nih.gov

Stand Up To Cancer is requesting applications for proposals to form **collaborative teams to explore cancer's communications among the immune system and the microbiome using organoids and mice**. Below is a more detailed description of the initiative and the process for applying. The information includes an application deadline of June 1, but SU2C anticipates adjusting deadlines based on the rapidly evolving conditions related to the COVID-19 pandemic. Any updates will be noted in the application link. <https://www.StandUpToCancer.org>

Applications Requested for Stand Up To Cancer (SU2C) Convergence Grants Exploring Cancer's Communications among the Immune System and the Microbiome Using Organoids and Mice

Goal: develop a set of experimental platforms using organoid systems *in vitro*, and mouse models, that will permit a detailed exploration and understanding of the interactions and chemical communications among the cancerous/normal organoid, the immune system, and the microbiome.

Convergence 3.1416 aims to bring together several independent research laboratories with complementary skill sets and technological approaches:

- Laboratories able to make and maintain organoids from multiple types of human or mouse tissues;
- Cellular immunologists exploring the innate immune system and the adaptive immune system;
- Virologists and microbiologists who study the microbiomes of various tissues;
- Individuals using mass spectroscopy to characterize changes in metabolism and to identify metabolites that act as signaling agents between organ systems;
- Researchers who use multiplex mass spectroscopy of peptides to identify proteins that could be communicating among microbes, lymphocytes, and tissues of the body;
- Engineers who can create “chemostats” for organoids and their fellow lymphoid and microbial travelers, with both aerobic and anaerobic compartments;
- Quantitative biologists and physicists studying diffusion of nutrients and signals for communicating, who can analyze large data sets of information collected from sequencing, microscopy, and time lapse filming of cultures.

Applications: A letter of intent describing current research directions, capabilities, and a list of recent publications, information about present position, institution, and laboratory size and scope. Current funding should be included, as well as any conflicts of interest.

Please submit your applications to StandUpToCancer.org/Convergence by June 1.

Questions can be addressed to alustig@su2c.org.

Notification: Applications will be screened by a committee, and 10-15 investigators will be invited to a three day ideas laboratory to be held at the Institute for Advanced Study, in Princeton, New Jersey, at which invited investigators will give a short talk about their work and capabilities, and break up into groups to determine if collaborative efforts can be planned. Following this meeting, a subset of the group will be selected to write proposals of no more than 10 pages and supply a budget for a three to four year period. The review committee will determine which proposals are acceptable for funding.

Career Opportunities

Submitted by **Ting-Yuan David Cheng – the University of Florida**

The University of Florida Health Cancer Center is recruiting a dynamic researcher, academician and leader for the position of **Associate Director for Population Sciences at the University of Florida**. Cejka Search has been engaged to lead this important recruitment effort.

The Associate Director for Population Sciences provides leadership and direction with other members of the senior leadership team for the Center, comprising the Executive Committee for UF Health Cancer Center (UFHCC) in the furtherance of the mission to serve Florida and the nation as an internationally recognized center of excellence to prevent, detect, treat, and ultimately cure cancer while addressing the unique challenges of the cancer burden.

The Associate Director for Population Sciences is charged with overseeing the population sciences research activities and programs of the Cancer Center. The Associate Director for Population Sciences is responsible for identifying opportunities for strategic growth and development to facilitate trans-disciplinary cancer research so as to harness the considerable intellectual talent and scientific resources of UFHCC and focus on solving the nation’s cancer problem. The Associate Director links investigators on studies of population health leveraging large databases with other investigators. With the Associate Director for Basic Research, the Associate Director leverages laboratory scientists to facilitate the discovery of biologic risk factors that may affect populations; and, in collaboration with the Associate Director for Clinical Research, links clinical research activities to advocate for equitable access to clinical trials, managing

the needs of special populations and efforts to link socioeconomic, genomic, ancestry and lifestyle risks to the burden of cancer.

Qualifications:

The following minimum qualifications are required to be considered for this position:

- Academic appointment with tenure, or tenure-track position.
- Terminal degree in social or behavioral sciences, or comparable.
- Extensive cancer relevant research experience.
- Proven extramural funding track record.
- Extensive publication experience.
- Proven trainee and mentorship responsibilities.
- Experience in, and coordination of, collaborative grants and managing trans-disciplinary research.

The position offers a generous start-up package, with resources to promote research efforts across the center, as well as a competitive salary, relocation assistance and excellent benefits.

If you are interested in this opportunity or would like to nominate a colleague for this position, please contact us as noted below. All inquiries will remain confidential.

Alan D. Johns

Executive VP/Managing Principal

Cejka Executive Search

ajohns@cejkasearch.com

404-304-1984 (cell)

Stress Busters! Don't forget to take care of yourself during this challenging time. Here are a few ways – submitted by your fellow TREC-ies!

Take a break from the news! Consider turning it off except for just once or twice a day.

Read a good book! **Renate Winkels (TREC fellow year 2)** offers this book as a great distraction: *De meeste mensen deugen* (which can be translated as 'most people are kind'). This book is written by a Dutch writer called Rutger Bregman. It is also available in English with the title, "Humankind. A New History of Human Nature".

Short description: *By providing a new historical perspective on the last 200,000 years of human history, internationally bestselling author Rutger Bregman sets out to prove that we are in fact hard-wired for kindness, geared toward cooperation rather than competition, and more inclined to trust rather than distrust one another. In fact, this instinct has a firm evolutionary basis going back to the beginning of Homo sapiens.*

#SongsofComfort -- offered to you by **Diana Lowry (TREC Program Director)**

<https://www.pbs.org/newshour/show/yo-yo-mas-musical-effort-to-share-songsofcomfort-amid-coronavirus>

and how about a little bit of DANCING to shake off some stress! <https://www.youtube.com/watch?v=T7NcQ8lHHLC>

And from **Jessica McNeil (TREC fellow year 1)** who says, "This information was shared with me by a work colleague and I have been obsessed with it: *A lovely person on Twitter has compiled [this thread](#) of animal webcams! There are pandas, owls, elephants, sloths, and many more. On a related note, [this jellyfish webcam](#) is perhaps the most soothing thing I've ever seen.*

Enjoy! And be safe.

Photo Gallery

With none of us traveling during this time, we don't have new photos of TREC gatherings however below are some fun memories from our past. We miss you all!!

Year 1 Cohort - 2017



Year 2 - 2018



Year 3 - 2019



TREC Connects! Volume 2, Issue 4 (April 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 6. June 2020

Greetings!

Dear TREC Faculty and Fellows,

We hope that you are healthy and safe, and that you are managing these difficult times as well as possible. Although our in person TREC Workshop has been disrupted and we are forced to be apart yet together virtually, we feel immense gratitude for our TREC community, exemplified by your continued interest in our TREC program. We have finalized the agenda for this year's Workshop which now is just ahead (June 21-26) and Diana will be sending out the program book and Zoom meeting IDs by email soon. We thank all 2020 participants and look forward to learning from you. All of the presenters are phenomenal and there will be an exciting presentation on Tuesday June 23 at 2pm EDT by Melissa Marshall, Founder – Present Your Science, where she will share with us information on how to improve our presentations, with extra attention to virtual zoom presentations. Stay safe, be well, and see you soon on Zoom!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Catherine Marinac

Dana Farber Cancer Institute

Title: Understanding Patient Preferences for Treatment in Precursor Multiple Myeloma

Mechanism: Stand Up To Cancer Sharp Tank Early Career Award. *Congratulations, Catherine!*

PI: Curtis J. Henry

Emory University

Title: Delineating the Impact of Obesity on Endogenous and CAR-T Immunotherapy in Pediatric Leukemia

Mechanism: Swim Across America Foundation Pilot Award. *Way to go, Curtis!*

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Dietary advanced glycation End-Products \(AGEs\) and Risk of Breast Cancer in the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial \(PLCO\).](#) Omofuma OO, Turner DP, **Peterson LL**, Merchant AT, Zhang J, Steck SE. Cancer Prev Res (Phila). 2020 Mar 13;. doi: 10.1158/1940-6207.CAPR-19-0457. [Epub ahead of print] PubMed PMID: 32169887

[Rising Incidence of Colorectal Cancer in Young Adults Corresponds With Increasing Surgical Resections in Obese Patients.](#)

Hussan H, Patel A, Le Roux M, Cruz-Monserrate Z, Porter, K, Clinton SK, Carethers JM, **Courneya KS**. Clin Transl Gastroenterol. 2020 Apr;11(4):e00160.doi:10.14309. PMID: 32352680.

[Consumption of Diet Soda Sweetened with Sucralose and Acesulfame-Potassium Alters Inflammatory Transcriptome Pathways in Females with Overweight and Obesity.](#) Sylfetsky AC, Sen S, Merkel P, Dore F, Stern DB, **Henry CJ**, Kai H, Walter PH, Crandall KA, Rother KI, Hubal MJ. Mol Nutr Food Res. 2020 April 13. Online ahead of print. DOI: 10.1002/mnfr.201901166. PMID: 32281732.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Catherine Marinac, PhD. 2017 TREC Fellow. Earlier this Spring Catherine accepted a new faculty member position at the Dana Farber Cancer Institute and Harvard Medical School. *Congratulations on your new appointment, Catherine!*

Shariska Petersen, PhD. 2019 TREC Fellow. In April, Shariska received the Nina Donnelley and The Dickens Fund of the Donnelley Foundation Young Investigator Award in honor of Laurel W. Rice, MD, from the Foundation for Women's Cancers. *That is fantastic, Shariska, congratulations!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. All TREC fellows past and present are invited to present! The call for speakers went out earlier this Spring -- we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org.

Series 2 webinar dates will be – save the dates!

Sept 23, 2020 Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

Other Webinars of interest

Body Composition and Cancer Webinar Series (PI: Bette Caan)

- Monthly series supported by NCI R13 grant
- **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
- 2019/2020 series concludes June 18
- For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org

New Team Science E-Book!

Strategies for Team Science Success: Handbook of Evidence-Based Principles for Cross-Disciplinary Science and Practical Lessons Learned from Health Researchers. Editors: Hall KL, Vogel AL, Croyle RT.

- Summarizes evidence-based principles for cross-disciplinary team science derived from a range of disciplines and fields
- Highlights state-of-the-art tools and resources for effective team science
- Discusses comprehensive strategies to reduce barriers, address challenges, and maximize success
- Includes first-person accounts of how these strategies have been applied in successful team science initiatives, with related practical guidance for adapting them to one's own setting.
- 120 Euros for the ebook. Order here: <https://www.springer.com/gp/book/9783030209902>

TREC-relevant information shared by our newest fellowship cohort!

Thank you for helping us welcome into the fold with last newsletter our NEW 2020 TREC fellowship cohort! 32 amazing fellows this year and a few of them would like you to know about these newsworthy items:

Grant Williams, MD. University of Alabama. Publication of Interest: [Assessment of Sarcopenia Measures, Survival, and Disability in Older Adults Before and After a Cancer Diagnosis](#). Williams GR, Chen Y, Kenzik KM, McDonald A, Shachar SS, Klepin HD, Kritchevsky S, Bhatia S. JAMA Netw Open. 2020 May 1;3(5):e204783. Doi:10.1001/jamanetworkopen.2020.4783. PMID: 32396194. PMCID: PMC7218493.

Margaret Raber, DrPH. MD Anderson Cancer Center. Publication of Interest: [The Healthy Cooking Index: Nutrition Optimizing Home Food Preparation Practices across Multiple Data Collection Methods](#). **Raber M**, Baranowski T, Crawford K, et al. J Acad Nutr Diet. 2020 Apr 9;S2212-2672(30)30062-9. Online ahead of print. DOI: 10.1016/j.jand.2020.01.008. PMID: 32280056.

Andy Khamoui, PhD. Florida Atlantic University. Publication of interest: [Hepatic proteome analysis reveals altered mitochondrial metabolism and suppressed acyl-CoA synthetase-1 in colon-26 tumor-induced cachexia](#). **Khamoui AV**, Tokmina-Roszyk D, Rossiter HB, Fields GB, Visavadiya NP. Physiol Genomics. 2020 May 1;52(5):203-216. PMID: 2146873

Lin Yang, PhD. University of Calgary. TREC-relevant grant awarded.

Title: Shaping up on physical activity and cancer: Improving estimates of cancer risk using accelerometry and contemporary methods in the UK Biobank. 2020-2021.

Mechanism: Canadian Institutes of Health Research (CIHR)

PI: Lin Yang. Co-investigators: Darren Brenner, Christine Friedenreich, Brigid Lynch

Stress Busters! Don't forget to take care of yourself during this challenging time. Here are a few ways – submitted by your fellow TREC-ies!

Meditate! **Lindsay Peterson (TREC fellow year 1)** recently learned that Headspace (a meditation app) is offering free access to health care providers, you just need your NPI number to sign up.

Read a good book! **Renate Winkels (TREC fellow year 2)** offers this book as a great distraction: *De meeste mensen deugen* (which can be translated as 'most people are kind'). This book is written by a Dutch writer called Rutger Bregman. It is also available in English with the title, "Humankind. A New History of Human Nature".

Short description: *By providing a new historical perspective on the last 200,000 years of human history, internationally bestselling author Rutger Bregman sets out to prove that we are in fact hard-wired for kindness, geared toward cooperation rather than competition, and more inclined to trust rather than distrust one another. In fact, this instinct has a firm evolutionary basis going back to the beginning of Homo sapiens.*

#SongsofComfort -- offered to you by **Diana Lowry (TREC Program Director)**

<https://www.pbs.org/newshour/show/yo-yo-mas-musical-effort-to-share-songsofcomfort-amid-coronavirus>

and how about a little bit of DANCING to shake off some stress! <https://www.youtube.com/watch?v=T7NcQ8IHHLc>

And from **Jessica McNeil (TREC fellow year 1)** who says, "This information was shared with me by a work colleague and I have been obsessed with it: *A lovely person on Twitter has compiled [this thread](#) of animal webcams! There are pandas, owls, elephants, sloths, and many more. On a related note, [this jellyfish webcam](#) is perhaps the most soothing thing I've ever seen.*

Enjoy! And be safe.

Photo Gallery

With none of us traveling during this time, we don't have new photos of TREC gatherings however below are some fun memories from our past. We miss you all!!

<i>Year 1 Cohort - 2017</i>	<i>Year 2 - 2018</i>	<i>Year 3 - 2019</i>
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TREC Connects! Volume 2, Issue 6 (June 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 7. July 2020

Greetings!

Dear TREC Colleagues – What an amazing TREC 2020 week we had and it's all because of you – thank you TREC fellows and faculty for all your participation! Now onto expanding our TREC offerings. Our goal is to submit our competitive renewal so TREC can continue from 2021-2026. And over this next year, we are going to create a TREC directory of fellows and faculty with info on expertise so as to increase collaborations; create a repository of funded grants (let us know if you would like to share your funded grant); and create a TREC peer grant review mechanism. We are excited about these new opportunities. If you have additional suggestions, please let us know.

We thank you for all your contributions!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Diane Ehlers. 2018 TREC Fellow

University of Nebraska Medical Center

Title: Patterns of Activity and Cognition during Treatment (PACT): A pilot smartphone intervention in women receiving chemotherapy for breast cancer

Mechanism: Great Plains IDeA-CTR Pilot Grants Program (NIH/NIGMS 1U54GM115458). *Congratulations, Diane!*

PI: Elizabeth C. Feliciano. 2018 TREC Fellow

Kaiser Permanente Division of Research (Northern California)

Title: Body composition and breast cancer survival: immune and metabolic biomarkers in breast tumors

Mechanism: NIH R01 (R01CA251589). *Terrific news, Elizabeth – congratulations!*

PI: Laura Sipe. 2019 TREC Fellow

University of Tennessee

Title: Novel pre-clinical model to identify genetic modifiers of TNBC

Mechanism: 2020 AACR-Triple Negative Breast Cancer Foundation Research Fellowship Grant. *Way to go, Laura!*

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[American Cancer Society Guideline for Diet and Physical Activity for Cancer Prevention](#). Rock CL, Thomson C, Gansler T, Gapstur SM, McCullough ML, Patel AV, Andrews KS, Bandera EV, Spees CK, Robien K, Hartman S, Sullivan K, Grant BL, Hamilton KK, Kushi LH, Caan BJ, Kibbe D, Conze Black J, Wiedt TL, McMahon, Sloak K, Doyle C. *CA Cancer J Clin*. 2020 Jun 9. PMID: 32515498

[An Exercise Oncology Clinical Pathway: Screening and Referral for Personalized Interventions](#). Stout NL, Brown JC, Schwartz AL, Marshall TF, Campbell AM, Nekhlyudov L, Zucker DS, Basen-Engquist KM, Campbell G, Meyerhardt J, Cheville AL, Covington KR, Ligibel JA, Sokolof JM, Schmitz KH, Alfano CM. *Cancer*. 2020 Jun 15;126(12):2750-2758. PMID: 322212338. PMCID: PMC7258139

[Influence of sitting behaviors on sleep disturbance and memory impairment in breast cancer survivors.](#) Ehlers DK, Fanning J, Sunderlage A, Severson J, Kramer AF, McAuley E. *Cancer Med.* 2020 May;9(10):3417-3424. PMID: 32202706; PMCID: PMC7221435

[Differences in cognition and physical activity in younger versus older breast cancer survivors.](#) Hanson LL, Severson J, Kramer AF, McAuley E, Ehlers DK. *Psycho-Oncology.* 2020 Jul;29(7):1228-1231. PMID: 32281167

[Prevalence of Healthy Behaviors among Cancer Survivors in the United States: How Far Have We Come?](#) Arem H, Mama SK, Duan X, Rowland JH, Bellizzi KM, Ehlers DK. *Cancer Epidemiol Biomarkers Prev.* 2020 Jun;29(6):1179-1187. PMID: 32409489

[Experiences of African American breast cancer survivors using digital scales and activity trackers in a weight gain prevention intervention: a qualitative study.](#) Power JM, Tate DF, Valle CG. *JMIR Mhealth Uhealth.* 2020 Jun 8;8(6):e16059. Doi: 10.2196.16059. PMID: 32510461

[Cardiac Rehabilitation Programs for Cancer Survivors: a Scoping Review.](#) Cuthbertson CC, Pearce EE, Valle CG, Evenson KR. *Curr Epidemiol Rep.* 2020 Jun;7(2):89-103. PMID: 32577336. PMCID: PMC7311091.

[Pilot study of combined aerobic and resistance exercise on fatigue for patients with head and neck cancer: Inflammatory and epigenetic changes.](#) Xiao C, Beitler JJ, Higgins KA, Chico CE, Withycombe JS, Zhu Y, Zhao H, Lin IH, Li F, Jeon S, Irwin M, Bruner DW, Miller AH, Gary R. *Brain Behav Immun.* 2020 Apr 21;S0889-1594(19)31283-8. PMID: 32330594

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Lenat Joffe, MD, MS. 2019 TREC Fellow. Lenat recently shared that last fall she was promoted to Assistant Professor of Pediatrics in the Division of Pediatric Hematology, Oncology, and Stem Cell Transplantation at Columbia University. Lenate says, “My new role is primarily focused on growing and developing the Center for Survivor Wellness, which is our long term follow up clinic for childhood cancer survivors. I feel very fortunate in this position, and the connections I made through the TREC program have helped me tremendously, both clinically and academically, throughout this past year.”
Congratulations, Lenat!

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

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Series 2 TREC webinars – save the dates! - Sept 23, 2020 Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference

will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler kschadl@mdanderson.org

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this summer!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

A few other important links from Dr. Colditz's TREC-2020 presentation – *thank you, Graham!*

Dr. Colditz has an R25 training program in Dissemination and Implementation Science. Fellows – this is a great opportunity to increase your knowledge and also consider including in K applications to expand your training.

<https://is2.wustl.edu>

Dr. Colditz' interactive web tool

www.yourdiseaserisk.wustl.edu

TREC-relevant information shared by our *newest fellowship cohort!*

Thank you for helping us welcome into the fold with the last two newsletters our *NEW* 2020 TREC fellowship cohort! 32 amazing fellows this year and a few of them would like you to know about these newsworthy items:

Mo Ogunsanya, B.Pharm, PhD. University of Oklahoma. Check out Mo's Podcast! [The More Sibyl Podcast](#) is about culture and cultural nomads designed for Blacks and Asians and those who love them.

Jenni Sheng, MD. Johns Hopkins University. NCCN Foundation Awards for Young Investigators.

<https://www.nccn.org/about/news/newsinfo.aspx?NewsID=2109>

Lin Yang, PhD. University of Calgary / Alberta Health Services. We would like to take a moment to spotlight Dr. Yang who, with her acceptance into the 2020 TREC Workshop cohort, actually returns as *TREC Connected* from her prior appointment at TREC@WUSTL (then as post doc) during the TREC Centers Initiative 2010-2015. *Welcome back to TREC, Lin! We missed you!*

And, Lin would like to share this new TREC-relevant publication of interest. [Exercise timing and cancer treatment: avenues for chronobiological research](#). Yang L, Lewis P, Park Y. *Chronobiology in Medicine* 2020;cim.2020.0006. Epub 2020 May 28.

Zhenzhen Zhang, PhD, MPH, MMED. Oregon Health and Science University. Publication of interest. [Comparison of Mortality Among Participants of Women's Health Initiative Trials with Screening-Detected Breast Cancers vs Interval Breast Cancers](#). Irvin VL, Zhang Z, Simon MS, Chlebowski RT, Luoh SW, Shadyab AH, Krok-Schoen JL, Tabung FK, Qi L, Stefanick ML, Schedin P, Jindal S. *JAMA New Open*. 2020 Jun 1;3(6):e207227. PMID: 32602908

Also, Zhenzhen would also like to share this news from OHSU. [Understanding the aggressive breast cancers missed by mammogram screening](#).

Funding Opportunities

The 2020-2030 Strategic Plan for NIH Nutrition Research is now live on NIDDK's [website](https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research)
<https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research>

Announcement from Dr. Dinah S. Singer, NCI Deputy Director

Credit: National Cancer Institute

In follow-up to her recent *NCI Bottom Line* blog post [on Cancer Research in the Era of COVID-19](#), NCI's Deputy Director for Scientific Strategy and Development, [Dr. Dinah S. Singer](#), expands on how NCI is supporting and funding COVID-19 research. In particular, Dr. Singer discusses NCI's recently launched Serological Sciences Network (SeroNet), which aims to understand all aspects of the immune response associated with the SARS-CoV-2 viral infection.

We are at a defining moment for public health. The science community, health agencies, and those serving on the front lines of health care are working tirelessly to understand SARS-CoV-2 and combat the COVID-19 threat. Collectively, we face one of the greatest public health challenges of our careers.

At NCI, we are confronting the COVID-19 challenge in many ways. Most recently, NCI launched the [Serological Sciences Network](#), or SeroNet, to rapidly expand understanding of all aspects of the immune response associated with SARS-CoV-2 viral infection. Extramural researchers have an exciting opportunity to contribute to serology science of this disease through two research opportunities that I describe below. As with so many other elements of our COVID-19 research and response, NCI is coordinating SeroNet with the National Institute of Allergy and Infectious Diseases (NIAID) and other public health agencies across government.

NCI is supporting SeroNet with a portion of the \$306 million emergency funding that Congress appropriated in late April for NCI to develop, validate, improve, and implement serological testing and associated technologies. NCI recognizes the urgent need to establish SeroNet to help respond to the pandemic. However, cancer research and cancer patients remain NCI's top priority.

SeroNet has five components, and on June 5 NCI published funding opportunity announcements for extramural awards to support two of those components: **Serological Sciences Centers of Excellence** and **Serological Sciences Research Projects**. See RFAs linked below. I strongly encourage extramural researchers to consider submitting proposals for these two announcements.

Emergency Awards: SARS-CoV-2 Serological Sciences Centers of Excellence (U54 Clinical Trials Optional)

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-038.html>

Emergency Awards: Research Projects in SARS-CoV-2 Serological Sciences (U01 Clinical Trial Optional)

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-039.html>

Career Opportunities

Submitted by Linda Nebeling – the National Cancer Institute

Risk Factor Assessment Branch / Epidemiology and Genomics Research Program / Division of Cancer Control and Population Sciences has an opening for a Cancer Research Training Award (CRTA) Fellow for **diet, weight, and/or physical activity assessment**. This fellowship opportunity is within EGRP's Risk Factor Assessment Branch (RFAB). To learn more about RFAB, visit <https://epi.grants.cancer.gov/diet-physical-activity/>.

Qualifications

- Master's or doctorate degree in public health, epidemiology, nutrition, exercise science, statistics, or a related field.
- A strong interest in public health, population-based research, and cancer control.

- Experience conducting research or serving as a research assistant on a scientific project.
- Excellent organizational, planning, writing, and project management skills.
- Excellent interpersonal skills.
- The ability to work independently in conducting self-directed research projects and on research teams.
- Data management skills (experience with spreadsheets and statistical software packages is desirable).
- Applicant must be a U.S. citizen or permanent resident.

For more details and application instructions, visit <https://epi.grants.cancer.gov/jobs>.

Submitted by Siobhan Phillips – Northwestern University

Post-Doctoral Research Fellowship in Physical Activity Promotion, Department of Preventive Medicine

The [Exercise and Health Lab](#) led by Dr. Siobhan Phillips in the Division of Behavioral Medicine in The Department of Preventive Medicine at the Northwestern University Feinberg School of Medicine is seeking applications from strong candidates for a new postdoctoral fellowship position in physical activity promotion. This is a full-time position for an individual interested in understanding physical activity and sedentary behaviors, developing and implementing physical activity promotion and sedentary behavior reduction interventions in cancer prevention and control, and disseminating and implementing this research into practice. The funded fellow will actively participate in ongoing NIH funded studies focused on optimizing digital physical activity promotion in cancer survivors. Opportunities exist to contribute to project development, grant writing, study implementation and management, data analyses and manuscript writing (first- and co-author), and mentoring of undergraduate and graduate students and staff. The fellow will receive guidance in the development of independent research interests and grant proposals. The fellow will be able to take full advantage of training, education, and mentorship opportunities offered through Northwestern University. The candidate is expected to work in a highly collaborative fast paced environment.

Qualifications:

- Doctorate in kinesiology, exercise science, psychology, public health or other behavioral/social sciences discipline or be enrolled in an accredited doctoral degree program and fulfill all degree requirements prior to program entry.
- Strong data analysis skills
- Prior experience conducting clinical or community-based research related to physical activity promotion or sedentary behavior reduction, using digital health tools for data collection or intervention delivery and/or working with cancer survivors
- Strong work ethic and commitment to becoming an independent scientist
- Excellent oral and written communication skills and fluency in spoken and written English

Appointment

This is a two-year full-time research based postdoctoral fellowship opportunity. Award of the second year is contingent upon performance in year one of the fellowship. Applications are now being accepted and will be reviewed until the position is filled. Stipends are at the NIH-level for postdoctoral trainees and fellows.

Application Procedure:

To apply, please submit a cover letter, CV, list of 3 references and a brief (1-2 page) statement of research interests, experience, career goals and interest in the position to Dr. Siobhan Phillips (smphillips@northwestern.edu).

Submitted by Gwendolyn Thomas – Penn State University

Graduate Student Research Position

Dr. Gwendolyn Thomas, Assistant Research Professor in the Kinesiology Department at Penn State University is currently seeking a graduate student to start in the Fall 2020/21. Dr. Thomas' research focuses on the role of resistance exercise in the

prevention and treatment of chronic disease and substance abuse, with a particular interest in metabolic and immune mechanisms. Her methods include smart phone-based exercise interventions and acute laboratory protocols.

The graduate student will be heavily involved with this research, including several grant funded projects that included: a smartphone intervention for breast cancer survivors to promote exercise activities and decrease barriers to exercise behavior in daily life and an acute protocol investigating psychobiological change in men and women with cannabis use disorder. Additional studies will examine the acute response of immune and metabolic markers to a resistance exercise protocol implemented in the laboratory.

Assistantship opportunities available for highly qualified applicants, providing funding for tuition, a living stipend, and health care.

It is preferable (but not required) that applicants have a Master's and Bachelor's degree in Kinesiology, Exercise Science, Public Health, Physical Education, or other health-related field. Previous research and teaching experience, physical activity program coordination, and publications are highly desirable. <https://psuexrxlab.wixsite.com/exrxlab>

Contact Gwendolyn, apply and join the Exercise Prescription Lab! If interested, please contact Dr. Thomas at gat112@psu.edu

Photo Gallery

Below are some fun photos from a few of our TREC-2020 Fellows!!

Andrea Sitlinger



Courtney Stevens and Jasper



Grant Williams



Jessica Olson



Mo Ogunsanya



Pedro Saint-Maurice



Tyler Ketterl



Zhenzhen Zhang



Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). *Thank you!*



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 8. August 2020

Greetings!

Dear TREC Colleagues,

We hope you are safe, healthy and enjoying a bit of summer with family and loved ones. In an effort to keep you apprised of our TREC-related publications, appointments and promotions, and TREC-relevant information, we are pleased to distribute our August TREC newsletter. We also are working on our competitive renewal for what we hope will be a second round of funding for our Workshop – thanks to all who have sent in letters of support!

We thank you for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Heather Leach. 2018 TREC Fellow

University of Colorado Cancer Center

Title: A virtual, group-based physical activity intervention for cancer survivors.

Mechanism: Cancer Research Training and Education Office Innovation Award. *Congratulations, Heather!*

PI: Susan Schembre. 2018 TREC Fellow

University of Arizona

(Application received fundable score; funding pending council meeting)

Title: Mobile Ecological Momentary Diet Assessment: A Low Burden, Ecologically-Valid Approach to Measuring Dietary Intake in Near-Real Time

Mechanism: NIH - PA18-856 - Diet and Physical Activity Assessment Methodology (R01 Clinical Trial Not Allowed)

Congrats on the fundable score, Susan, let us know when it gets funded!

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[The importance of the social environment in achieving high levels of physical activity and fruit and vegetable intake in an African American cohort.](#) Heredia NI, Nguyen N, McNeill LH. *American Journal of Health Promotion*. 2020 May 15;890117120925361. Epub ahead of print. doi: 10.1177/0890117120925361. PMID: 32410458

[Impact of Body Composition on Outcomes from anti-PD1 +/- anti-CTLA-4 Treatment in Melanoma.](#) Young A, Quach H, Song H, Davis E, Moslehi J, Williams GR, Johnson DB. *Journal for ImmunoTherapy of Cancer*. 2020 Jul;8(2):e000821. PMID: 32747470

[Exploring Social Ecological Determinants of Physical Activity Among Adult Survivors of Childhood Cancer.](#) Dugan KF, Hidde MC, Chard CA, Graham DJ, Withycombe JS, Leach HJ. *J Adolesc Young Adult Oncol*. 2020 Jun 25. doi: 10.1089/jayao.2019.0169. Epub ahead of print. PMID: 32598196

[Dose-Response Effects of Acute Aerobic Exercise Duration on Cognitive Function in Patients With Breast Cancer: A Randomized Crossover Trial](#). **Salerno, E. A.**, Rowland, K., Hillman, C. H., Trinh, L., Kramer, A. F., & McAuley, E. *Frontiers in Psychology*. 2020 Jul 14;11:1500. Epub ahead of print. PMID: 32760319. PMCID: PMC7371984.

[Exercise and Physical Activity in Patients with Osteosarcoma and Survivors](#). **Garcia M.B.**, Ness K.K., **Schadler K.L.**. In: Kleinerman E., Gorlick R. (eds) *Current Advances in Osteosarcoma*. *Advances in Experimental Medicine and Biology*, 2020, vol 1257. Springer, Cham.

[Occupational Physical Activity and Lung Cancer Risk: A Systematic Review and Meta-Analysis](#). Rana B, Hu L, Harper A, Cao C, Peters C, Brenner D, **Yang L**. *Sports Med*. 2020 Jul 10. Doi: 10.1007/s40279-020-01312-2. Epub ahead of print. PMID: 32651861

These publications are in press so will re-appear in the TREC Newsletter as soon as they are posted to PubMed:

Association of Malnutrition with Geriatric Assessment Impairments and Health-Related Quality of Life among Older Adults with Gastrointestinal Malignancies. **Williams GR**, Al-Obaidi M, Dai C, Mir N, Challa SA, Daniel M, Patel H, Barlow B, Young-Smith C, Gbolahan O, Paluri R, Bhatia S, Giri S. *Cancer*. In press.

And **Jessica Olson** just had a manuscript accepted to *Preventing Chronic Disease* for their “Health Disparities and Pop Health Collection” called: “Community and Research Perspectives Regarding Cancer Disparities: A Qualitative Analysis of Listening Sessions with Diverse Participants.”

This paper highlights the broad expertise of basic, clinical, and population-based researchers, as well as community expertise, and the need for multi-sector teams to come together to eradicate cancer disparities.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Elizabeth Salerno, PhD, MPH. 2019 TREC Fellow. Liz has been offered and accepted an Assistant Professor appointment which Liz reports, directly stemmed from meeting Dr. Graham Colditz at the TREC Workshop! Liz will be starting this September in her new role in the Division of Public Health Sciences, Department of Surgery at Washington University School of Medicine, St. Louis. *Congratulations, Liz* – and please remember to share your new email address with us for the next newsletter!

Scherezade Mama, DrPH. 2018 TREC Fellow. Congrats also to Scher who has been promoted to Assistant Professor in the Department of Health Disparities Research at MD Anderson Cancer Center! Scher has already left Penn State for the trek to Houston where she began her new role this month. Scher’s new email address is skmama@mdanderson.org. *Way to go, Scher!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

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Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this summer!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

Other TREC-relevant information

Dr. Sharon Ross of the NCI and **Melissa Marshall** from *Present Your Science* shared a few resources with Diana during TREC week this year and so we are posting them here since they didn't make it into the July Newsletter:

From Dr. Ross

Dr. Zhang asked about the K01 link – access the FAQ sheet [here](#).

Extramural Investments in Research: [FY 2019 By the Numbers](#)

Success rates are [here](#).

From Melissa Marshall

Enhance your ZOOM experience

USB Microphone: available on Amazon [here](#).

Ring light (best with no glasses on): on Amazon [here](#).

Other resources Melissa mentioned during her TREC talk

www.thenounproject.com

www.duarte.com/diagrammer

www.venngage.com

www.assertion-evidence.com

www.PresentYourScience.com

Heather Leach (2018 TREC Fellow) has a grad student who is recruiting researchers and clinicians in oncology, cancer rehabilitation, or exercise oncology to participate in 3 brief online surveys. **The Exercise in Cancer Evaluation and Decision Support (EXCEEDS) Algorithm: Modified Delphi Study**. Both Heather and Catherine Alfano are investigators. [Enroll by Sept 25!](#)

Funding Opportunities

The 2020-2030 Strategic Plan for NIH Nutrition Research is now live on NIDDK's [website](https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research)
<https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research>

Announcement from Dr. Dinah S. Singer, NCI Deputy Director

Credit: National Cancer Institute

In follow-up to her recent *NCI Bottom Line* blog post [on Cancer Research in the Era of COVID-19](#), NCI's Deputy Director for Scientific Strategy and Development, [Dr. Dinah S. Singer](#), expands on how NCI is supporting and funding COVID-19 research. In particular, Dr. Singer discusses NCI's recently launched Serological Sciences Network (SeroNet), which aims to understand all aspects of the immune response associated with the SARS-CoV-2 viral infection.

We are at a defining moment for public health. The science community, health agencies, and those serving on the front lines of health care are working tirelessly to understand SARS-CoV-2 and combat the COVID-19 threat. Collectively, we face one of the greatest public health challenges of our careers.

At NCI, we are confronting the COVID-19 challenge in many ways. Most recently, NCI launched the [Serological Sciences Network](#), or SeroNet, to rapidly expand understanding of all aspects of the immune response associated with SARS-CoV-2 viral infection. Extramural researchers have an exciting opportunity to contribute to serology science of this disease through two research opportunities that I describe below. As with so many other elements of our COVID-19 research and response, NCI is coordinating SeroNet with the National Institute of Allergy and Infectious Diseases (NIAID) and other public health agencies across government.

NCI is supporting SeroNet with a portion of the \$306 million emergency funding that Congress appropriated in late April for NCI to develop, validate, improve, and implement serological testing and associated technologies. NCI recognizes the urgent need to establish SeroNet to help respond to the pandemic. However, cancer research and cancer patients remain NCI's top priority.

SeroNet has five components, and on June 5 NCI published funding opportunity announcements for extramural awards to support two of those components: **Serological Sciences Centers of Excellence** and **Serological Sciences Research Projects**. See RFAs linked below. I strongly encourage extramural researchers to consider submitting proposals for these two announcements.

Emergency Awards: SARS-CoV-2 Serological Sciences Centers of Excellence (U54 Clinical Trials Optional)

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-038.html>

Emergency Awards: Research Projects in SARS-CoV-2 Serological Sciences (U01 Clinical Trial Optional)

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-039.html>

Career Opportunities

Advisory Role - podcast intervention development

In case you missed it (see email from Diana to TREC dated 7.31.2020) – **Mo Ogunsanya** and **Aaron Piepmeier**, both 2020 TREC Fellows, are looking for advisors for a development of a potential podcast-based intervention. Search your email for *The Cancer Pod Guys* – and if you are interested contact Mo or Aaron at Motolani-ogunsanya@ouhsc.edu and apiepmeier@elon.edu.

Section Editor – *Current Nutrition Reports*

Dr. **Rishi Jain** asked that we pass along the following opportunity for anyone interested in a **Section Editor** role with the review journal *Current Nutrition Reports*. If that is YOU, please contact Dennis Kahn, Editor, at the contact below.

Hello, Dr. Jain:

I am currently searching for a suitable Section Editor who may be interested in leading *Current Nutrition Reports*, a reviews journal that I manage for Springer. If it is not too much of an inconvenience, could I please trouble you to provide me with the names and affiliations of a few candidates whom you feel may be interested in/qualified to lead this particular section? Or, if you yourself may be interested, I would be happy to set up a time to talk to outline the responsibilities of a Section Editor. If by any chance you may be interested, you would be welcome to solicit the aid of a Co-Editor to help ease the burden of your workload, although this is not required.

Any input and/or advice you would be willing to provide would be greatly appreciated. Thank you so much in advance, and I look forward to hearing from you soon.

Dennis Kahn
Editor
Reviews Journals

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1650 Arch Street | Suite 2050 | Philadelphia, PA 19103

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dennis.kahn@springer.com
www.Springer.com

Photo Gallery

More fun photos from a few of our TREC-2020 Fellows!!

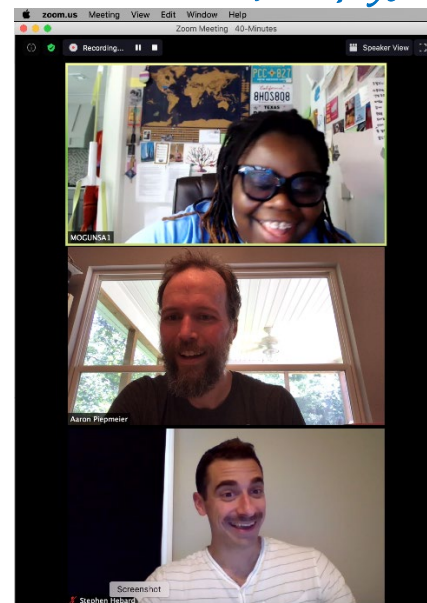
Neel Dey



*Natalia Heredia
and her fur babies*



*Mo Ogunsanya
Aaron Piepmeier
with Stephen Hebard
The Cancer Pod Guys*



TREC Connects! Volume 2, Issue 8 (August 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 9. September 2020

Greetings!

Dear TREC Colleagues,

We have been busy preparing our TREC competitive renewal for what we hope will be a second round of funding for our Workshop – the application goes in next week! Thanks again to the many of you who submitted letters of support! Meanwhile, we hope that the academic year has gotten off to a good start for you and that you and your loved ones are continuing to stay healthy. In our Newsletter this month we are excited to pass along announcements about TREC-related publications, appointments and promotions, and other TREC-relevant information. This includes an announcement from NCI (courtesy of Linda Nebeling) about NCI's Annual Plan and Budget Proposal for Fiscal Year 2022 – it is worth reviewing and includes a chapter on obesity and cancer. Check it out below!

Thank you again for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Catherine Marinac. 2017 TREC Fellow

Harvard University

Title: Repurposing Metformin for the Prevention of Progression in Precursor Multiple Myeloma

Mechanism: NIH/NCI K22 CA251648 - 01

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Association of Malnutrition with Geriatric Assessment Impairments and Health-Related Quality of Life among Older Adults with Gastrointestinal Malignancies.](#) **Williams GR**, Al-Obaidi M, Dai C, Mir N, Challa SA, Daniel M, Patel H, Barlow B, Young-Smith C, Gbolahan O, Paluri R, Bhatia S, Giri S. *Cancer*. 2020 Sep 4. Epub ahead of print. PMID 32885848.

[Obesity and Breast Cancer: Expanding the Hypothesis Space.](#) **Lohmann AE**, Goodman PJ. *JNCI*. 2020 July 6. Epub ahead of print.

[Multi-omics analysis reveals adipose-tumor crosstalk in colorectal cancer patients.](#) Holowatyj AN, Haffa M, Lin T, Scherer D, Gigic B, Ose J, Warby CA, Himbert C, Abbenhardt-Martin C, Achaintre D, Boehm J, Boucher KM, Gicquiau A, Gsur A, Habermann N, Herpel E, Kauczor HU, Keski-Rahkonen P, Kloor M, von Knebel Doeberitz M, **Kok DE**, Nattenmüller J, Schirmacher P, Schneider M, Schrotz-King P, Simon T, Ueland PM, Viskochil R, Weijenberg MP, Scalbert A, Ulrich A, **Bowers LW**, **Hursting SD**, Ulrich CM. *Cancer Prev Res (Phila)*. 2020 Jul 12:canprevres.0538.2020. doi: 10.1158/1940-6207.CAPR-19-0538. Online ahead of print. PMID 32655010.

[Bariatric Surgery Is Associated with a Recent Temporal Increase in Colorectal Cancer Resections, Most Pronounced in Adults Below 50 Years of Age.](#) **Hussan H**, Patel A, Akinyeye S, Porter K, Ahnen D, Lieberman D. 2020 Aug 12. *Obes Surg*. Online ahead of print. doi:10.1007/s11695-020-04902-9. PMID 32789550.

[Investigating the within-person relationships between activity levels and sleep duration using Fitbit data.](#) **Liao, Y.,** * Robertson, M. C., * Winne, A., Wu, I. H. C., Le, T. A., Balachandran, D., & **Basen-Engquist, K. M.** *Translational Behavioral Medicine*. 2020 Jul 15. Epub ahead of print. PMID 32667039. *contributed equally.

[Ambulatory assessment for physical activity research: State of the science, best practices and future directions.](#) Reichert, M., Giurgiu, M., Koch, E., Wieland, L. M., Lautenbach, S., Neubauer, A., ... **Liao, Y.** *Psychology of Sport & Exercise*. 2020 Sep;50:101742. Epub Jun 17. PMID 32831643.

Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study. **Cheng TD**, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. *NPJ Breast Cancer (In press)*. 2020.

The following publications are in press so will re-appear in the TREC Newsletter as soon as they are posted to PubMed:

Using preprandial blood glucose levels to objectively assess hedonic eating in free-living individuals. **Schembre, S. M., Liao, Y.,** Huh, J., & Keller, S. *Eating Behaviors (in press)*. 2020.

Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study. **Cheng TD**, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. *NPJ Breast Cancer (In press)*. 2020.

And, **Jessica Olson** has had a manuscript accepted to *Preventing Chronic Disease* for their "Health Disparities and Pop Health Collection" called: "Community and Research Perspectives Regarding Cancer Disparities: A Qualitative Analysis of Listening Sessions with Diverse Participants."

This paper highlights the broad expertise of basic, clinical, and population-based researchers, as well as community expertise, and the need for multi-sector teams to come together to eradicate cancer disparities.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

Yue Liao, PhD. 2019 TREC Fellow. On September 1, Yue started a new position as a tenure-track assistant professor at the University of Texas at Arlington Department of Kinesiology's Public Health Program! Yue says, "I am so happy that I will be surrounded by exercise science colleagues for my physical activity research while being able to teach public health courses – a topic that I am truly passionate about! I will start virtually and move to the DFW area in a couple of months and am happy to meet with fellow TRECCers in the area!" Yue's new email address is yue.liao@uta.edu. *Congratulations, Yue!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. Two Fellows from the 2018 cohort will present – see below and don't miss it!

Zoom URL will be distributed under separate cover.

Sept 23 Webinar Presentations:

- **Ian Kleckner, PhD**, *The effects of exercise on chemotherapy-induced peripheral neuropathy (CIPN): considering the role of the interoceptive brain system*
- **Leland Metheny, MD**, *Obesity and Hematopoietic Stem Cell Transplant*

Future TREC webinars – save the dates! - Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

UNC Nutrition Seminar Series –

Dr. **Carmina Valle** (TREC Fellow 2019) invites you to register now for the **free online seminar series** hosted by the [UNC Department of Nutrition](#) and the [UNC Nutrition Obesity Research Center](#). All are welcome to attend. The series will focus on a variety of topics, including:

(all events occur virtually on Zoom from 2:30-3:30pm Eastern Time)

- The mechanisms by which coagulation factors control aspects of diet-induced obesity (September 18)
- Implicit biases and what can we do to improve diversity and inclusion in the workforce (October 9)
- Career opportunities and experiences outside academia (November 6)
- The intersections of medicine and epidemiology as it relates to nutrition and chronic diseases (February 5)

Additional information and registration information is available [here](#).

Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

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Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Society of Behavioral Medicine Annual Meeting – April 12-16, 2021 (Virtual). Abstract submission is now closed but conference Information and registration is [here](#).

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this Fall!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

Other TREC-relevant information

Call for papers – special issue energy balance and cancer for the journal *Cancers* - invitation below from **Justin Brown** (TREC Fellow 2018) –

Dear TREC Colleagues,

I am guest editor of a special issue titled "The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control" in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is here: <https://www.mdpi.com/si/58064>. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don't hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

In case you missed it! **Heather Leach** (2018 TREC Fellow) has a grad student who is recruiting researchers and clinicians in oncology, cancer rehabilitation, or exercise oncology to participate in 3 brief online surveys. **The Exercise in Cancer Evaluation and Decision Support (EXCEEDS) Algorithm: Modified Delphi Study**. Both Heather and Catherine Alfano are investigators. [Enroll by Sept 25!](#)

Funding Opportunities

NCI Annual Plan and Budget Proposal for Fiscal Year 2022 – National Cancer Institute

Forwarded on behalf of **Linda Nebeling**, NCI –

Please share!

https://urldefense.proofpoint.com/v2/url?u=https-3A_www.cancer.gov_research_annual-2Dplan&d=DwlGaQ&c=eRAMFD45gAfqt84VtBcfhQ&r=YrvZWFCFy0TPkdm73kzqlNrlvyFB-LN8fKKwDcurU7Q&m=L6JJYrOsVC5FBA6OyG8-H4JKtfsWh_YZoykdJJle2h4&s=Y9-kVF3SmA9cAY2YxfXwPv3K8zAokKrxmC9zmomS6Jw&e=

The NCI 2022 annual plan and budget proposal was announced on September 2 at the NCI BSA meeting. This link can be shared. Worth reviewing.

FYI - Includes the obesity and cancer chapter.

Thank you.
Linda Nebeling
National Cancer Institute

Career Opportunities

Fellowship Program – Medical Oncology – Western University, London, Ontario, Canada

Dr. **Ana Lohmann** (TREC Fellow 2018) has two clinical research fellowship positions in breast cancer and GU cancer available for the academic year July 1, 2021 to June 30 2022. For medical oncologists who have completed residency. A potential concurrent master in epidemiology is also feasible. Application submission deadline is February 12, 2021. More information is available [here](#).

TREC Connects! Volume 2, Issue 9 (September 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 10. November 2020

Greetings!

Dear TREC Colleagues,

First and foremost, we wish you and your families a Happy Thanksgiving even though for most of us that will likely be spent with smaller family/friend groups.

We are full swing with recruitment for TREC-2021 applications! The RFA/advertising blitz was launched last month, and Letters of Intent are beginning to roll in! Those are due December 15, applications due January 15. Thank you for YOUR help getting the word out!

Also, we are working on **additional member benefits** which will be unveiled soon on our TREC Website: including a member's only page which will contain a TREC member directory with key words/expertise description for each of our TREC Faculty and Fellows. The member's page also will contain a sample grants repository. While we're at it, we are also spiffing up the public pages of the website – general clean up and refresh for 2021! Keep an eye out for an announcement later this Fall when we plan to deploy website upgrades!

Thank you again for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Lin Yang. 2020 TREC Workshop Fellow and prior TREC Postdoc from Washington University.

Alberta Health Services, Canada

Title: Participating in Tai Chi to Reduce Anxiety and Keep up Physical Function: Implementing a Prehabilitation Intervention for Radical Prostatectomy (Peak-RP)

Mechanism: Canadian Cancer Society (Canadian equivalent of ACS)

PI: Scherezade (Scher) Mama. 2018 TREC Fellow

MD Anderson Cancer Center

Title: An adapted multicomponent physical activity intervention to reduce rural cancer disparities

Mechanism: AICR

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[The effects of exercise on cancer-related fatigue in breast cancer patients during primary treatment: A meta-analysis and systematic review.](#) Ehlers, D.K., Dubois, K., & Salerno, E.A. (2020). *Expert Review of Anticancer Therapy*. Online ahead of print. doi: 10.1080/14737140.2020.1813028. PMID 32842816.

[Modeling longitudinal variation in affective response to exercise across a 16-week randomized control trial \(RCT\).](#) **Stevens CJ**, Gillman AS, Giordano GR, Bryan AD. *Health Psychology*. 2020. Advance online publication. <https://doi.org/10.1037/hea0001023>. PMID 32969699.

First author **Courtney Stevens (TREC Fellow 2020)** would like to share this description of the publication, "Affective response to exercise did not change as a function of training volume or change in cardiorespiratory fitness among previously physically inactive women participating in a 16-week exercise training intervention; conversely, RPE decreased slightly over time, on average. Results suggest that a standardized exercise training stimulus may be perceived as less effortful over time, but not necessarily more pleasurable, despite improvements in fitness. This manuscript is accepted as part of a special issue in *Health Psychology* called "From Ideas to Efficacy in Health Psychology."

[Tai Chi for chronic illness management: synthesizing current evidence from meta-analyses of randomized controlled trials.](#) Zou L, Xiao T, Cao C, Smith L, Imm K, Grabovac I, Waldhoer T, Zhang Y, Yeung A, Demurtas J, Veronese N, Ekelund E, Park Y, **Yang Lin**. *The American Journal of Medicine* 2020 Sep 15 [Epub ahead of print]. PMID 32946848.

[Dietary Methionine Supplementation Exacerbates Gastrointestinal Toxicity in a Mouse Model of Abdominal Irradiation.](#) Ewing LE, Skinner CM, Pathak R, Yee EU, Krager K, Gurley PC, Melnyk S, Boerma M, Hauer-Jensen M, **Koturbash Igor**. *Int J Radiat Oncol Biol Phys*. Online ahead of print doi: 10.1016/j.ijrobp.2020.09.042. PMID 33002540.

[Landmark trials in the medical oncology management of early stage breast cancer.](#) Hensing W, Cesar ASM, Peterson, **Lindsay L, Sheng Jennifer Y**. *Semin Oncol*. 2020 Aug 30. doi: 10.1053/j.seminoncol.2020.08.001. Online ahead of print. PMID 32933761.

[Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study.](#) **Cheng TD**, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. 2020 Sep 21. *NPJ Breast Cancer*. Online ahead of print. PMID 33024820.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

Tina Skinner, PhD, GCHEd. 2019 TREC Fellow. Earlier this Fall, Tina was promoted from Senior Lecturer to Associate Professor in Clinical Exercise Physiology at the School of Human Movement and Nutrition Sciences, University of Queensland, Brisbane, Australia! Tina asked that we relay this message to our TREC community, [in Tina's words], "Thanks to Melinda, Diana and all the 'TREKKERS' for your help with this milestone!" Tina's institution (and hence email) has not changed; she can still be reached at t.skinner@uq.edu.au. *Congratulations, Tina!*

Igor Koturbash, MD, PhD. 2018 TREC Fellow. Igor has accepted the role as Senior Mentor for an Early Career Investigator Project devoted to understanding the preventative effects of wild blueberry supplementation (NIGMS P20 Center Grant). This new role augments Igor's position as Associate Professor and Chair of the Department of Environmental Health Sciences, and Co-Director of the Center for Dietary Supplements Research, at the University of Arkansas for Medical Sciences. *Way to go, Igor!*

Jessica McNeil, PhD. 2017 TREC Fellow. We reported in the March 2020 TREC Newsletter that Jess has been promoted and accepted an Assistant Professor position at the University of North Carolina at Greensboro. Given COVID her relocation from Canada was delayed however will be moving forward next month. She'll start at UNC in January, and her new email address is now active! Please reach out to Jess at her UNC address jnmcneil2@uncg.edu. *Congrats again, Jess, and safe travels next month!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

And more shout outs to..... drum roll, please!

Special shout out to **Dr. Marian Neuhaus**, TREC member since 2005, esteemed Faculty and member of TREC Senior Advisory Board! Marian has been recently named to the Food & Nutrition Board of the National Academy of Sciences, Engineering and Medicine. *Congratulations, Dr. Neuhaus!*

And kudos to **Hisham Hussan, MD**, TREC Fellow 2018, who has been awarded two Presidential Poster Awards!

P2521. (S1211) The Associations Between Obesity and Early Onset Colorectal Cancer: A Propensity-Weighted Analysis of the National Health and Nutrition Examination Survey (NHANES). Category Award (Obesity).

Hisham Hussan, MD, FACP¹, Arsheya Patel, MD¹, Alice Hinton, PhD², Qin Ma, PhD¹, Fred Tabung, PhD, MS¹, Steven Clinton, MD, PhD¹; ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University, Columbus, OH

P0763. (S0320) Rate and Burden of Advanced Colorectal Neoplasia in Adults Approaching the Screening Age: An Opportunity to Reduce the Incidence of Early-Onset Colorectal Cancer. Category Award (Colorectal Cancer Prevention).

Hisham Hussan, MD, FACP¹, Samuel Akinyeye, MD¹, Kyle Porter, MAS², Peter P. Stanich, MD¹, Darrell Gray, MD, MPH, FACP¹, Bryson Katona, MD, PhD³, Violeta Popov, MD, PhD⁴, Folasade P. May, MD, PhD, MPhil⁵, John Carethers, MD⁶; ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University Center for Biostatistics, Columbus, OH; ³University of Pennsylvania Health System, Philadelphia, PA; ⁴New York University Langone Medical Center, New York, NY; ⁵UCLA Health, Los Angeles, CA; ⁶University of Michigan Medical Center, Ann Arbor, MI

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is November 18, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our second webinar in the 2020-2021 series – see details below and don't miss it!

Presenters:

Scherezade (Scher) Mama, DrPH. TREC Fellow - 2018.

An adapted multicomponent physical activity intervention to reduce rural cancer disparities

Motalani (Mo) Ogunsanya, B.Pharm, PhD. Fellow - 2020.

Black Men and Prostate Cancer: Telling a Story Using Mixed Methodology

Webinar Zoom Link – has been distributed via a calendar hold from Diana but here it is again:

<https://us02web.zoom.us/j/81202900082?pwd=QWZjOS9kUWVhNjdhbmVxYzdOWGY1UT09>

Meeting ID: 812 0290 0082 Passcode: 112370

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Future TREC webinars – save the dates! - Jan 27, 2021 Mar 24, 2021

NCI Body Composition & Cancer Webinar – "Sarcopenia and Cancer Survival: Findings, Gaps and Future Research"

Date: Thursday, November 12, 2020; 3:00-4:00pm Eastern Time

Bette J. Caan, DrPH

Senior Research Scientist

Kaiser Permanente Northern California, Division of Research

Dr. Caan will present an overview of the work to date on sarcopenia and cancer outcomes. She will discuss methodological challenges, existing research gaps, and identify future directions.

This webinar is sponsored by NCI's Division of Cancer Control and Population Sciences (DCCPS) Epidemiology and Genomics Research Program.

WebEx: Registration required

at <https://cbit.webex.com/cbit/onstage/g.php?MTID=e875af01d757ece243e56d748b8c05bdb>

Closed captioning is available for this webinar.

Event Contact Information: Joanne Elena, elenajw@mail.nih.gov, 240-276-6818.

Translational Energy Balance and Cancer Conference. *Date Change: July 8-10, 2021. SAVE THE DATE!*

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston, TX. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *due March 15, 2021* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

AACR Annual Meeting 2021 – will be held virtually – dates to be announced by Dec 1. Follow the meeting link [here](#). Key dates:

- Abstract submission deadline: Thursday, November 19, 2020
- Late breaking and clinical trials abstract submission deadline: Monday, January 11, 2021
- Meeting registration will open in December

ASPO Annual Meeting 2021 – virtual – March 29 – April 1, 2021. Conference Link [here](#). Abstracts due November 16, 2020.

Society of Behavioral Medicine Annual Meeting – Virtual Conference, April 12-16, 2021

SBM is a vibrant, multidisciplinary society focused on the role of behavior in improving health. Most of our country's most daunting health challenges have behavioral origins, and achieving SBM's vision of “better health through behavior change” has never been more important. SBM members include the nation's leading scientists and practitioners, and SBM annual meetings are the premier forum for the most influential behavioral medicine research. Learn more about the annual meeting [here](#).

Rapid communication abstracts open October 15 and are due November 6. Submit your rapid communication abstract [here](#).

If you have questions about the Annual Meeting or joining SBM, contact Scherezade Mama at skmama@mdanderson.org.

International Science of Team Science Conference – Virtual – June 7-11, 2021

This conference aims to advance our understanding of collaborative initiatives that address multidimensional complex societal problems. The theme of the SciTS 2021 is **Science of Team Science and the Human Condition**. As a point of convergence between science and practice, the conference will provide a platform to investigate contributions that team science research can make to addressing urgent contemporary challenges. This year's conference will highlight the interface of the science of team science with challenges such as:

- responding to megadisasters (e.g., the COVID pandemic, hurricanes, and fires),
- curtailing systemic racism and the need to create and implement anti-racist policies and practices, including technologies, and

- grappling with challenges in large growing metropolitan regions, such as equitable economic growth, affordable housing, education, healthcare, food scarcity, infrastructure systems (including IT systems), and the impacts of climate change.

Call for abstracts is now open. For more information and to submit an abstract, please visit conference website [here](#).

Other Opportunities and Items of Interest

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow soon!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

NIH Request for Information: Data Science Challenges and Opportunities in the Field of Precision Nutrition

Notice Number: [NOT-RM-21-005](#)

Release Date: October 7, 2020

Response Date:

November 15, 2020

Issued by: Office of Strategic Coordination (Common Fund)

Please direct all inquiries to:

Holly Nicastro, Ph.D., M.P.H. Office of Nutrition Research Telephone: 301-435-0383 Email: nutritionresearch@nih.gov	Christopher Lynch, Ph.D. Office of Nutrition Research Telephone: 301-827-3988 Email: nutritionresearch@nih.gov
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Call for papers – special issue energy balance and cancer for the journal *Cancers* – in case you missed this in the last newsletter – see invitation from **Justin Brown** (TREC Fellow 2018):

Dear TREC Colleagues,

I am guest editor of a special issue titled “The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control” in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is [here](#). Deadline for manuscript submissions is **30 June 2021**. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don’t hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

Funding Opportunities

In case you missed this in the last Newsletter – it deserves sharing again!

NCI Annual Plan and Budget Proposal for Fiscal Year 2022 – National Cancer Institute

Forwarded on behalf of **Linda Nebeling**, NCI –

Please share!

https://urldefense.proofpoint.com/v2/url?u=https-3A_www.cancer.gov_research_annual-2Dplan&d=DwIGaQ&c=eRAMFD45gAft84VtBcfhQ&r=YrvZWFCFy0TPkdm73kzqlNrlvyFB-LN8fKKwDcurU7Q&m=L6IJYrOsVC5FBA6OyG8-H4JKtfsWh_YZoykdJJle2h4&s=Y9-kVF3SmA9cAY2YxfXwPv3K8zAokKrxmC9zmomS6Jw&e=

The NCI 2022 annual plan and budget proposal was announced on September 2, 2020 at the NCI BSA meeting. This link can be shared. Worth reviewing.

FYI - Includes the obesity and cancer chapter.

Thank you.
Linda Nebeling
National Cancer Institute

Career Opportunities

Assistant/Associate/Full Member Faculty Position in Dissemination and Implementation Science – Fred Hutchinson Cancer Research Center – Seattle, WA

This position was originally posted in January 2020, then placed on temporary hold due to the pandemic, and has now re-opened. This announcement is disseminated to the TREC community on behalf of **Dr. Marian Neuhouser**.

Job Description

The Cancer Prevention Program at Fred Hutchinson Cancer Research Center is seeking a candidate in dissemination and implementation science for a full-time faculty member at the Assistant, Associate or Full Professor level. We invite candidates whose research is focused on cancer-related dissemination and implementation science. Areas of research interest include developing and testing dissemination or implementation strategies, observational studies of real-world dissemination or implementation, hybrid implementation-effectiveness trials, and research on barriers and/or facilitators to disseminate and implement evidence-based practices across the cancer care continuum.

Candidates should have experience with a variety of implementation theories, models and frameworks or those commonly used in behavioral, communication, organizational sciences, or related fields as they apply to dissemination and implementation research. Candidates should also have experience with a variety of evaluative and data analysis methods. Candidates who study social, behavioral, economic, and management factors that impact implementation of evidence-based cancer-related health interventions will be highly valued. The successful candidate will develop an independent research program within our collaborative, multidisciplinary environment.

Applicants must have a research or clinical doctorate (e.g., PhD, MD or equivalent degree) with training in anthropology, behavioral science, behavioral economics, communication, decision sciences, psychology, organization behavior, sociology, or other related fields and a focus on dissemination and implementation science. Candidates with relevant research experience as evidenced by peer-reviewed publications and research funding success will be prioritized.

For the full position description and application instructions, please visit the job link at: <https://apply.interfolio.com/73202>

Postdoctoral Fellowship position in the laboratory of Dr. Igor Koturbash (2018 TREC Fellow) – University of Arkansas

Dr. Koturbash is seeking a Postdoctoral Fellow to join his lab/Center for Dietary Supplements Research. The mission of Center is to provide regulatory agencies, industry and the public with credible information, assessments, expert opinions and risk communication, as well as professional and educational services relating to the efficacy and safety of dietary supplements. Postdoctoral Fellow will assist Dr. Koturbash in the upcoming research projects (in vitro, in vivo, and clinical trials) and further expanding the Organ-on-Chip Facility.

The successful candidate will have a PhD in biology, biochemistry, physiology, pharmacology, toxicology, or related fields. Lab experience is a must and candidates with both in vitro and in vivo experimental skills will be given priority. The candidate should possess excellent writing skills, including preparation of study reports and peer-reviewed manuscripts. Please, forward your applications with cover letter and CV combined into one PDF file together with names of 2-3 references to ikoturbash@uams.edu. To learn about the Center, please give us a visit [here](#).

University of Rochester Medical Center Faculty Fellowship – Rochester, New York

Dr. Ian Kleckner (TREC Fellow 2018) and his group at URMCC are recruiting for their NCI-funded faculty fellowship in cancer control and symptom management including behavioral interventions (exercise, nutrition, supplements) that's now in its 17th year!

Please see [Video](#) here. They are seeking candidates who have or will complete their PhD or MD degree. This could be a first postdoc or a second. The position title is Research Assistant Professor.

[More info and application instructions here.](#)

Photo Gallery

Another fun photo from one of our TREC-2020 Fellows!!

Qi Chen



TREC Connects! Volume 2, Issue 10 (November 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:

TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your bi-monthly newsletter from the TREC Training Program

Volume 3, Issue 1. January 2021

Greetings!

Dear TREC Colleagues,
Happy New Year! We hope that you are doing as well as possible and coping okay especially given the recent events in Washington DC.

On the TREC front – check out all of the tremendous accomplishments that YOU - our TREC community - has made since our last Newsletter.... new grant awards, new publications, new career opportunities. Super exciting!

Our period for accepting TREC 2021 Notices of Intent to apply ended last month and we received **100 Notices of Intent to apply!** This is phenomenal, and we thank you for YOUR help talking up TREC. Applications are due January 15. We are still hoping to conduct TREC-2021 in person at Water's Edge in Connecticut. We will decide in late Spring. If not, we will go virtual again. Diana will be in touch via email as the winter and spring progress to organize Workshop logistics and, the universe willing, travel planning.

Thanks to many of you who sent in their keywords, twitter/Instagram handles, and sample grants for our TREC members page / exemplar grants repository. The webmaster is programming the website upgrades now and Diana will email an announcement when they are ready – we anticipate that will be within the next couple of weeks.

Thank you again for ALL of your contributions to transdisciplinary research in energetics and cancer! Happy New Year!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Adriana Coletta. 2018 TREC Fellow.

Huntsman Cancer Center/University of Utah

Title: The feasibility and acceptability of a Comprehensive Oncology Rehabilitation and Exercise (CORE) program among Breast Cancer survivors

Mechanism: 5 for the Fight Foundation

PI: Nia S. Mitchell. 2020 TREC Fellow.

Duke University

Title: Feasibility and acceptability of a community-based weight loss program among African American breast cancer survivors

Mechanism: Institutional pilot through Duke Cancer Institute

PI: Ting-Yuan (David) Cheng, PhD. 2017 TREC Fellow

University of Florida

Title: Energy balance, mTOR pathway signaling, and breast cancer prognosis

Mechanism: NCI R01

PI: Natalia Heredia, PhD. 2020 TREC Fellow

University of Texas

Title: A culturally-tailored lifestyle intervention for Hispanic NAFLD patients

Mechanism: Prevent Cancer Foundation

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Impact of Body Mass Index on Presence of ctDNA and Disease Recurrence after Neoadjuvant Chemotherapy for Triple-Negative Breast Cancer: Analysis from BRE12-158](#). **Ballinger TJ**, Guanglong J, Kassem N, Radovich M, Schneider BP. (2020). *Clinical Cancer Research*. Online ahead of print. DOI: 10.1158/1078-0432.CCR-20-3341.

[Provider discussion about lifestyle by cancer history: A nationally representative survey](#). **Arem H**, Duan X, Ehlers DK, Lyon ME, Rowland JH, **Mama SK**. *Cancer Epidemiol Biomarkers Prev*. 2020 Dec2:cebp.1268.2020. doi: 10.1158/1055-9965.EPI-20-1268. Epub ahead of print. PMID: 33268489.

[SARC-F for screening of sarcopenia among older adults with cancer](#). **Williams G**, Dai C, Bhatia S, Giri S. *Cancer*. 2020 Dec 28. doi: 10.1002/cncr.33395. Epub ahead of print. PMID: 33369894.

[The Exercise in All Chemotherapy Trial](#). **Schmitz KH**, Potiaumpai M, Schleicher EA, Wolf LJ, Doerksen SE, Drabick JJ, Yee NS, Truica CI, Mohamed AA, Shaw BW, Farley DC. *Cancer*. 2020 Dec 17. doi.org/10.1002/cncr.33390. Epub ahead of print. PMID: in process.

[Factors influencing physical activity in cancer patients during oncological treatments: a qualitative study](#). Avancini A, Tregnago D, Rigatti L, Sartori G, **Yang L**, Trestini I, Bonaiuto C, Milella M, Polotto S, Lanza M. *Integr Cancer Ther*. 2020 Jan-Dec;19:1534735420971365. doi: 10.1177/1534735420971365. PMID: 33349064.

[Social jetlag and prostate cancer incidence in the Alberta Tomorrow Project: a prospective cohort study](#). Hu L, Harper A, Heer E, **McNeil J**, Cao C, Park Y, Martell K, Gotto G, Shen-Tu G, Peters C, Brenner D, **Yang L**. *Cancers (Basel)*. 2020 Dec 21;12(12):3873. doi: 10.3390/cancers12123873. PMID: 33371502; PMCID: PMC7767515.

[Body Mass Index, Chemotherapy-Related Weight Changes, and Disease-Free Survival in Haitian Women With Nonmetastatic Breast Cancer](#). **Fadelu T**, Damuse R, Lormil J, Pecan E, Greenberg L, Dubuisson C, Pierre V, Triedman SA, Shulman LN, Rebbeck TR. *JCO Glob Oncol*. 2020 Oct;6:1656-1665. doi: 10.1200/GO.20.00307. PMID: 33151773; PMCID: PMC7713562.

[Landmark trials in the medical oncology management of early stage breast cancer](#). Hensing W, Cesar ASM, Peterson, **Lindsay L**, **Sheng Jennifer Y**. *Semin Oncol*. 2020 Aug 30. doi: 10.1053/j.seminoncol.2020.08.001. Online ahead of print. PMID 32933761.
This publication emanated from the peer mentor:mentee relationship forged from the TREC 2020 Workshop where Lindsay was paired with Jenny as peer mentor! Congrats to you both and your co-authors on this publication!

[Preclinical Models to Study Obesity and Breast Cancer in Females: Considerations, Caveats, and Tools](#). **Giles ED**, **Wellberg EA**. *J Mammary Gland Biol Neoplasia*. 2020 Nov 4. doi: 10.1007/s10911-020-09463-2. Epub ahead of print. PMID: 33146844.

[Development and Evaluation of an Accelerometer-Based Protocol for Measuring Physical Activity Levels in Cancer Survivors: Development and Usability Study](#). **Crane TE**, Skiba MB, Miller A, Garcia DO, **Thomson CA**. *JMIR Mhealth Uhealth*. 2020 Sep 24;8(9):e18491. doi: 10.2196/18491. PMID: 32969828; PMCID: PMC7545325.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Natalia Heredia, PhD, MPH, 2020 TREC Fellow, has accepted a tenure-track, assistant professor faculty position at the University of Texas School of Public Health. Natalia started in her new position at the beginning of this month, and her new email address is Natalia.i.heredia@uth.tmc.edu. *Congratulations, Natalia!*

Hannah Arem, PhD, 2018 TREC Fellow, has accepted a new position as *Scientific Director of Implementation Science*, at Medstar Health Research Institute. At Medstar, Hannah's portfolio focuses on bringing implementation science methods to various topics, including cancer survivorship, women's health, and maternal and infant mortality. Hannah's new email address is Hannah.Arem@medstar.net. *Way to go, Hannah – congrats!!*

Lindsay Peterson, MD, 2017 TREC Fellow, has recently been promoted to Associate Professor at Siteman Cancer Center, Washington University in St. Louis. This is not an institution change so Lindsay's email remains the same. *Terrific news, Lindsay!*

Lorraine Dean, ScD, Former TREC Fellow from the NCI-Centers Initiative (2010-2016), and Workshop Faculty 2017. Lorraine has been promoted to Associate Professor in Epidemiology (primary) and Health Policy and Management (joint) in the School of Medicine at Johns Hopkins Bloomberg School of Public Health. This is terrific news, Lorraine – *congratulations!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

And more shout outs to *drum roll, please!*

Lauren Nye, MD, 2017 TREC Fellow, presented a poster at the San Antonio Breast Cancer Symposium (SABCS) last month, of the initial data stemming from her TREC project titled [Energetics and Lifestyle in Inherited Syndromes – the ELLIS Study](#) (SABCS member login required). *Terrific, Lauren – beautiful poster and thanks for citing TREC!*

Rishi Jain, MD, 2019 TREC Fellow, has had his TREC-related poster accepted for presentation at the virtual ASCO GI 2021 meeting this month! If you are attending ASCO GI this year, be sure to cheer on Rishi and his TREC poster! *Congrats, Rishi!*

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

Cancer and Aging Webinar: Microenvironmental Impact on Oncogenesis and Immunity. January 14, 2021 at 1-2pm Eastern.
Catch Dr. James DeGregori and **Dr. Curtis J. Henry (2019 TREC Fellow)** as they describe the evolutionary perspective to address cancer and aging questions and the role of the aging immune system in response to immune therapy in cancer.
[Register for this webinar here.](#)

TREC Webinar Series – next scheduled is January 27, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Presenters:

Christina Dieli-Conwright, PhD. TREC Fellow - 2017.

Optimizing neurological health through exercise in cancer patients receiving chemotherapy

Keri Schadler, PhD. Fellow - 2020.

ERK5 as a key mediator of exercise-induced tumor vessel remodeling: help wanted for an R01 spin

Webinar Zoom Link – previously distributed via a calendar hold from Diana but here it is again:

<https://us02web.zoom.us/j/87573920408?pwd=bXBZVVRVOEk5dWYvK3drZzJLaXRXZz09>

Meeting ID: 875 7392 0408 Passcode: 254734

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Final TREC webinar for the 2020-2021 series– save the dates! - Mar 24, 2021 – 10-11am Pacific.

AICR Lifestyle and Cancer Symposium *Evidence Matters* Webinar – January 28, 2021 11am – 3:30pm EST. [Register here.](#)

e-ICDAM – International Conference on Diet and Activity Assessment: A Global Vision – virtual – February 8-12, 2021. Hosted by Wageningen University and Research, home institute for two TREC Fellows, **Drs. Renate Winkels** (TREC 2018) and **Dieuwertje Kok** (TREC 2019). Conference website and registration is [here](#).

ASPO Annual Meeting 2021 – virtual – March 29 – April 1, 2021. Conference Link [here](#). Abstracts due November 16, 2020.

AACR Annual Meeting 2021 – virtual – WEEK 1: April 10-15. WEEK 2: May 17-21. Meeting link [here](#). Key dates:

- Abstract submission deadline closed previously.
- Late breaking and clinical trials abstract submission deadline: Monday, January 11, 2021
- “Placeholder abstracts” permitted for late breaking clinical trials – due Jan 11, final data due Feb 4, 2021.

ASPO New Investigator Workshop– virtual – April 16, 2021, 12-3pm Eastern. Applications due January 29. [Apply here.](#)

Society of Behavioral Medicine Annual Meeting – Virtual Conference, April 12-16, 2021

SBM is a vibrant, multidisciplinary society focused on the role of behavior in improving health. Most of our country's most daunting health challenges have behavioral origins, and achieving SBM's vision of “better health through behavior change” has never been more important. SBM members include the nation's leading scientists and practitioners, and SBM annual meetings are the premier forum for the most influential behavioral medicine research. Learn more about the annual meeting [here](#).

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If you have questions about the Annual Meeting or joining SBM, contact Scherezade Mama at skmama@mdanderson.org.

Translational Energy Balance and Cancer Conference. Houston, TX - July 8-10, 2021.

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston, TX. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

New abstract deadline: March 31, 2021 - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler kschadl@mdanderson.org

Other Opportunities and Items of Interest

Call for Papers – Special Edition on Diet and Physical activity in the journal ***Nutrients***, co-edited by **Drs. Wendy Demark-Wahnefried** (TREC Faculty) and **Christina Dieli-Conwright** (2017 TREC Fellow). Details from Christina:

Dear TREC Colleagues,

Nutrients has a decent impact factor of 4.54, so hoping you might be working on a paper currently that you might send this way? As stated in the description below, you can either float the abstract by me, Wendy or the editorial office.

Journal: Nutrients (ISSN 2072-6643; IF: 4.546)

Special Issue: **Effect of Diet and Physical Activity on Cancer Prevention and Control.** [Link is here.](#)

Guest Editor: **Prof. Dr. Wendy Demark-Wahnefried and Dr. Christina Dieli-Conwright**

Submission deadline: **7 September 2021**

Nutrients is planning a Special Issue focusing on **Effect of Diet and Physical Activity on Cancer Prevention and Control.**

We would be happy to receive your manuscript related to this topic. Once the Special Issue is closed, we will share it with relevant scholars to promote all contributions. Nutrients is an open access journal with high visibility (<http://www.mdpi.com/journal/nutrients>); we also conduct free English editing after the acceptance of your paper. The article processing charge (APC) is 2000 CHF (2400 CHF after 31 December 2020) per accepted paper, and authors invited by the Guest Editor will enjoy a 20% discount.

If you wish to check the suitability of your manuscript for this issue prior to submission, you are welcome to send an abstract to the Editorial Office (your name and email address) and we will provide you with feedback shortly.

Thank you for your consideration!
Christina

Previously announced (and still active) Call for Papers – special issue energy balance and cancer for the journal *Cancers* – see invitation from Justin Brown (TREC Fellow 2018):

Dear TREC Colleagues,

I am guest editor of a special issue titled “The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control” in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is [here](#). Deadline for manuscript submissions is **30 June 2021**. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don’t hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

Item of Interest from the NIH via Dr. Linda Nebeling – NIH Solicits Public Comment on Proposed Transfer of the Office of Nutrition Research (OSR):

Dear Colleagues,

In follow-up to the release of the [2020-2030 Strategic Plan for NIH Nutrition Research](#) last year, we would like to inform you of the proposed transfer of the Office of Nutrition Research (ONR) within the NIH.

Nutrition is critically important for maintaining health and preventing a wide range of diseases, with NIH nutrition research supported across numerous Institutes and Centers. Central coordination of nutrition research across the agency will enable effective and seamless implementation of the Strategic Plan and a new related large cohort study in development.

The NIH is seeking public comment on the proposed transfer of the ONR from the National Institute of Diabetes and Digestive and Kidney Diseases to the Division of Program Coordination, Planning, and Strategic Initiatives ([DPCPSI](#)) within the NIH Office of the Director. DPCPSI was created by Congress to enhance NIH-wide coordination of cross-cutting research topics. This proposal would address the need for increased trans-NIH collaboration and coordination on nutrition research following the launch of NIH’s first Strategic Plan in this area and the subsequent large cohort study.

NIH has developed a [webpage](#) for public comment. **The public comment period will be open until Tuesday, Dec. 29, 2020, and comments may be directed to DPCPSIreorgcomments@nih.gov.**

Please share broadly with your networks!

Thank you,
Linda Nebeling

NIH/NCI: Notice of Special Interest (NOSI) Announcement – Webinar – Tailoring Follow-Up Care for Cancer Survivors Using Risk-Stratified Pathways.

[NOT-CA-21-019](#). Risk-stratified cancer survivorship care is a personalized approach to care in which cancer survivors are triaged or stratified to distinct care pathways based on their needs and the types of providers their care requires. The purpose of this Notice of Special Interest (NOSI) is to highlight the NCI Division of Cancer Control and Population Sciences' interest in receiving R01 applications focused on identifying important factors for defining risk-stratified survivorship care and/or developing and testing approaches to improve the clinical management and outcomes for adult cancer survivors using risk-stratified survivorship care pathways.

Interested investigators are encouraged to discuss their proposed aims with the scientific contacts, Dr. Michelle Mollica and Dr. Lisa Gallicchio, prior to submission.

Learn More about this NOSI in an Informational Webinar - Tuesday January 19, 2020 from 1:00 PM – 2:00 PM EST. This Webinar will provide an overview of the NOSI and the application process, and include a Question and Answer session to address questions from the investigator community. To register, please visit the [Webinar Registration Page](#). The webinar will be archived on the [HDRP Events](#) webpage.

Funding Opportunities

New FOA published since our last newsletter:

NIH/NCI: [PAR-21-035](#). Cancer Prevention and Control Clinical Trials (R01 Clinical Trial Required)

Notices of Intent to Publish (FOAs anticipated in January 2021) -- NIH Common Fund Nutrition of Precision Health, powered by the *All of Us* Research Program:

[Artificial Intelligence for Multimodal Data Modeling and Bioinformatics Center \(U54 Clinical Trial Not Allowed\) \(NOT-RM-21-001\)](#)

[Metabolomics and Clinical Assays Center \(U24\) \(NOT-RM-21-002\)](#)

[Microbiome and Metagenomics Center \(U24 Clinical Trial Not Allowed\) \(NOT-RM-21-003\)](#)

[Dietary Assessment Center \(U24 Clinical Trial Optional\) \(NOT-RM-21-006\)](#)

[Clinical Centers \(UG1 Clinical Trial Required\) \(NOT-RM-21-007\)](#)

[Research Coordinating Center \(U24 Clinical Trial Not Allowed\) \(NOT-RM-21-008\)](#)

Career Opportunities

Tenure-line Faculty Position in Exercise and Oncology (Professor/Associate Professor-level) – University of Michigan School of Kinesiology – Ann Arbor, MI

This position is forward by TREC Faculty **Drs. Melinda Irwin and Henry Thompson**. The search is for eight new tenure-track faculty members as a strategic hiring initiative targeting several emerging and multidisciplinary teams. A major component of this initiative includes the request for applications for faculty position at the Professor or Associate Professor level in the intersecting area of exercise and oncology. More information and the application portal is located on interfolio, [here](#). **Applications due February 15, 2021.**

Post-doctoral Fellowship in Energy Balance and Cancer Survivorship – Kaiser Permanente Division of Research Northern California – Oakland, CA

This opportunity announcement is brought to TREC by 2018 Fellow **Dr. Elizabeth Cespedes Feliciano**. Kaiser Permanente Northern California Division of Research (DOR) is seeking a post-doctoral fellow (100% FTE for at least 2 years) interested in investigating the influence of energy balance (including body composition and dietary patterns) on cancer survivorship as well as the mechanisms of those relationships. The postdoctoral fellow will work with investigators on a variety of NIH- and foundation-funded projects including: (a) investigating whether plant-based dietary patterns influence breast cancer outcomes; (b) examining the relationship of body composition to metabolic syndrome prevalence in breast cancer patients and to expression levels of genes in immune and metabolic pathways in breast tumors; (c) examining whether muscle mass in colon cancer patients is related to functional status, metabolic syndrome or chemotherapy toxicity; and (d) understanding the role of frailty as measured by muscle loss in outcomes of oncologic and other surgeries in older adults. Roles and responsibilities include conducting independent epidemiologic and biostatistical analysis, writing manuscripts for peer-reviewed publication and presentation of abstracts at scientific meetings and assisting in study conduct (e.g., design requirements for databases and data validation) and in grant writing and submission. The successful candidate will ideally have methodological training in epidemiologic methods, biostatistics, programming skills, content knowledge in nutrition and/or cancer survivorship, strong writing skills, experience in the publication of scientific manuscripts, and interest and experience in grant writing.

Please submit a cover letter, CV, writing sample (published paper preferred), and references to Adrienne Castillo at Adrienne.Castillo@kp.org (Sr. Research Project Manager). Substantive queries may be addressed to Elizabeth Cespedes Feliciano, ScD, SM at elizabeth.m.cespedes@kp.org (Research Scientist and Principal Investigator). We will accept materials until the position is filled.

Essential functions

- Supports well-defined research with some supervision from the Research Scientist.
- Prepares publications independently and drafts grant proposals for review by the Research Scientist.
- Provides input on study design, develops analytic plans and interprets study results for the Research Scientist.
- May work with other Research Scientists internal to DOR and scientists external to DOR.
- May provide consultation and direction to programmer analysts with regard to data management and analysis.
- Prepares and presents abstracts and papers at national scientific meetings and for peer-reviewed publications.
- Seeks consultation from senior scientists for specific scientific and administrative issues.

Basic qualifications

- PhD or equivalent in, Epidemiology, Nutrition, Exercise Science or Public Health or related field.
- Proven proficiency in cancer research methodology/research study design, hypothesis testing and quantitative data interpretation and application.
- Proven proficiency in computer applications in a PC environment, including statistical software (eg., SAS/R.)
- Master's level coursework in biostatistics including survival analysis.
- Knowledge of medical terminology.
- Background/experience in methods to assess body composition and/or cancer epidemiology with an emphasis on energy balance or nutrition. Background in physical activity epidemiology within cancer will be considered.
- Preference will be given to applicants with strong analytic and writing skills, including a demonstrated ability to publish papers and write successful grant proposals.

TREC Connects! Volume 3, Issue 1 (January 2021)

Visit us at [TRECTraining.yale.edu](https://trec.yale.edu)

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your bi-monthly newsletter from the TREC Training Program

Volume 3, Issue 2. March 2021

Greetings!

Dear TREC Colleagues,

We hope you are all well. We have exciting news to share....our NCI R25 TREC competitive renewal application was recently reviewed and scored a 12! While we have not received a notice of award, we think the TREC Training Program will be renewed for another 5 years! The reviewers noted the exceptional outcomes reported for the past 5 years in terms of publications and grants received by the fellows, and that a comprehensive evaluation has been used to refine the Program and adaptations have been based on Fellows comments. Indeed, our Program this year and over the next 5 years builds on the strengths and opportunities from the previous years. More to come in the next newsletter regarding our June course.

We thank you for your significant and critical role in TREC!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Diane Ehlers, PhD. 2018 TREC Fellow.

University of Nebraska

Title: A prospective investigation of patterns of physical activity and cognition in overweight and obese breast cancer survivors undergoing chemotherapy

Mechanism: NCI. Submitted as an R01, received outstanding score so reassigned as an R37 MERIT award (CA252060)

Comment from Diane: "Thank you very much to Tara Sanft and Catherine Alfano for being my TREC mentors and for reviewing the grant and providing me with such valuable feedback. So glad to be part of the TREC community. It was great for my career in 2018 when I was a fellow and continues to be great for my career."

PI: Ting-Yuan (David) Cheng, PhD. 2017 TREC Fellow

University of Florida

Title: Energy balance, mTOR pathway signaling, and breast cancer prognosis

Mechanism: NCI. Submitted as an R01, received outstanding score so reassigned as an R37 MERIT award (CA248371)

PI: Tina Skinner, PhD. 2019 TREC Fellow.

University of Queensland

Title: Effect of high intensity interval training (HIIT) on human gut microbiome functional diversity, inflammation and body composition in colorectal cancer survivors

Mechanism: CRE Digestive Health Pilot Grant

PI: Ian Klecker, PhD, MPH. 2018 TREC Fellow.

Title: Assessing the role of the interoceptive brain system in the pathophysiology and treatment of chemotherapy-induced peripheral neuropathy

Mechanism: NCI, R21 – likely to be funded based on score (2nd submission)

Comment from Ian: "Great news! This is the R21 I presented at TREC Webinar -- Impact score = 11. Percentile = 1. It was really helpful to present this at TREC and use input to inform my resubmission. Thanks so much for your mentorship, it really helps!"

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Time-restricted feeding normalizes hyperinsulinemia to inhibit breast cancer in obese postmenopausal mouse models](#). Das M, Ellies LG, Kumar Deepak, Saucedo C, Oberg A, Gross E, Mandt T, Newton IG, Kaur M, **Sears DD**, Webster NJG. Nat Commun. 2021 Jan 25;12(1):565. doi: 10.1038/s41467-020-20743-7. PMID: 33495474; PMCID: PMC7835248.

[Diabetes, metformin and breast cancer: a tangled web](#). Lohmann AE, Goodwin PJ. Ann Oncol. 2021 Mar;32(3):285-286. doi: 10.1016/j.annonc.2020.12.014. Epub 2021 Jan 29. PMID: 33516777.

[Mitochondrial dynamics and quality control are altered in a hepatic cell culture model of cancer cachexia](#). Visavadiya NP, Pena GS, and **Khamoui AV**. Molecular and Cellular Biochemistry. 476(1): 23-24, 2021. PMID: 32797334.

[Designing in-app messages to nudge behavior change: Lessons learned from a weight management app for young adults](#). Valle CG, Nezami BT, Tate, DF. (2020). Organizational Behavior and Human Decision Processes 161:95-101. doi:10.1016/j.obhdp.2020.10.004

[Promoting physical activity in young adult cancer survivors using mHealth and adaptive tailored feedback strategies: Design of the Improving Physical Activity after Cancer Treatment \(IMPACT\) randomized controlled trial](#). Valle CG, Pinto BM, LaRose JG, Diamond M, Horrell LN, Nezami BT, Hatley KE, Coffman EM, Polzien K, Hales DP, Deal AM, Rini CM, Rosenstein DL, Tate DF (2021). Contemp Clin Trials;103:106293. doi: 10.1016/j.cct.2021.106293. Epub ahead of print. PMID: 33515784.

[Diet quality indices and dietary patterns are associated with plasma metabolites in colorectal cancer patients](#). Geijssen AJMR, **Kok DE**, van Zutphen M, Keski-Rahkonen P, Achaintre D, Gicquiau A, Gsur A, Krut FM, Ulrich CM, Weijenberg MP, de Wilt JHW, Wesselink E, Scalbert A, Kampman E, van Duynhoven FJB. Eur J Nutr. 2021 Feb 5. doi: 10.1007/s00394-021-02488-1. Online ahead of print.

[Chemosensory perception and food preferences in colorectal cancer patients undergoing adjuvant chemotherapy](#). Postma EM, **Kok DE**, de Graaf C, Kampman E, Boesveldt S. Clin Nutr ESPEN. 2020 Dec;40:242-251. doi: 10.1016/j.clnesp.2020.09.012. Epub 2020 Sep 29.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

Miriam Garcia, DO, 2017 TREC Fellow, has accepted an Assistant Professor position in Pediatric Hematology and Oncology, Children's Hospital of San Antonio, Baylor College of Medicine. Miriam began her position there on March 1, after relocating back to Texas from Baycare Health Systems in Tampa, Florida. Miriam is excited to start seeing patients at Children's, and to return to a clinician-researcher role where she'll be working with Dr. Joya Chandra to develop a nutrition program utilizing a teaching kitchen for pediatric cancer survivors and all patients receiving maintenance therapy. Miriam's new email address is Miriam.Garcia@christushealth.org. *Congratulations, Miriam!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

And more shout outs to drum roll, please!

Andy Khamoui, PhD, 2020 TREC Fellow, has been admitted to the MSc program at Precision Cancer Medicine at the University of Oxford for Fall 2021! This program is a two-year, part-time, online course that provides transdisciplinary skillset and knowledge required to design, conduct, and lead precision medicine research. *Way to go, Andy!*

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is March 24, 2021 at 10-11am Pacific Time (1-2pm Eastern)!

Presenters:

Grant Williams, MD. TREC Fellow - 2020.

Systematic Methods to Appropriately Reduce Therapy in Oncology: The SMART Study

Lin Yang, PhD. Fellow - 2020.

Move more and sit less to survive cancer

Webinar Zoom Link – previously distributed via a calendar hold from Diana but here it is again:

<https://us02web.zoom.us/j/86313018561?pwd=Z2N4WW13NTBkYkdTQ2I3ZnJJWE9PZz09>

Meeting ID: 863 1301 8561

Passcode: 797636

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

This is the final TREC Webinar for our 2020-2021 series – we may add more over the Summer/Fall – stay tuned!

NCI Behavioral Research Program Webinar Series: Exploration of the Intersection between Cancer, Obesity, and Disparities – March 4, 11, 18, and 25, 2021 at 3-4:30pm ET

This webinar series focuses on enhancing understanding of the intersection of cancer, obesity, and disparities within racially and ethnically diverse populations. It seeks to inform and establish a trans-disciplinary framework for further research into the etiology and prevention of obesity-associated cancers within diverse populations. Experts in the fields of behavioral, biological, translational, clinical, communication, and community-based research will discuss state-of-the-science advances in these areas as they relate to diverse populations. The impact of COVID-19 will also be addressed. [Webinar dates, topics, and registration links are here.](#)

NCI Webinar: Targeting Aging to Transform Human Health. March 15, 2021 at 12-1pm Eastern.

Catch Dr. Nathan LeBrasseur and Jessica Scott as they describe interventions to address cancer and treatment-related aging using a cells-to-society perspective. [Register for this webinar here.](#)

ASPO Annual Meeting 2021 – virtual – March 29 – April 1, 2021. Conference Link [here](#). Abstracts are now closed.

AACR Annual Meeting 2021 – virtual – WEEK 1: April 10-15. WEEK 2: May 17-21. Meeting link [here](#).

Society of Behavioral Medicine Annual Meeting – Virtual Conference, April 12-16, 2021

SBM is a vibrant, multidisciplinary society focused on the role of behavior in improving health. Most of our country's most daunting health challenges have behavioral origins, and achieving SBM's vision of "better health through behavior change" has never been more important. SBM members include the nation's leading scientists and practitioners, and SBM annual meetings are the premier forum for the most influential behavioral medicine research. Learn more about the annual meeting [here](#).

If you have questions about the Annual Meeting or joining SBM, contact Scherezade Mama at skmama@mdanderson.org.

International Science of Team Science Annual Conference – virtual – June 7-11, 2021.

Full list of confirmed speakers and workshops is [here](#), and conference registration website is [here](#).

2nd Annual Interdisciplinary Nutrition Sciences Symposium – virtual - June 21-22, 2021. Hosted by the University of North Carolina, TREC Faculty **Dr. Steve Hursting** and 2019 TREC Fellow **Dr. Carmina Valle** would like to inform you of this event which will focus **on Heterogeneity in Obesity: Implications for Cancer and Related Obesity-Associated Outcomes**. Information about the full program, registration and a call for abstracts can be found at www.interdisciplinarynutrition.org. With support from the National Cancer Institute, conference organizers are offering sponsored registration for selected applicants from populations underrepresented in science or early career scientists. Apply for registration sponsorship [here](#). Questions can be sent to inss@unc.edu. Submit abstracts [here](#) for the poster session; 3 abstracts will be selected for oral presentation. Questions can be sent to inss@unc.edu.

Translational Energy Balance and Cancer Conference. Houston, TX - July 8-10, 2021.

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston, TX. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Abstract deadline: March 31, 2021 - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Other Opportunities and Items of Interest

Call for Papers – Special Edition on Diet and Physical activity in the journal **Nutrients**, co-edited by **Drs. Wendy Demark-Wahnefried** (TREC Faculty) and **Christina Dieli-Conwright** (2017 TREC Fellow). Details from Christina:

Dear TREC Colleagues,

Nutrients has a decent impact factor of 4.54, so hoping you might be working on a paper currently that you might send this way? As stated in the description below, you can either float the abstract by me, Wendy or the editorial office.

Journal: Nutrients (ISSN 2072-6643; IF: 4.546)

Special Issue: **Effect of Diet and Physical Activity on Cancer Prevention and Control**. [Link is here](#).

Guest Editor: **Prof. Dr. Wendy Demark-Wahnefried and Dr. Christina Dieli-Conwright**

Submission deadline: **7 September 2021**

Nutrients is planning a Special Issue focusing on **Effect of Diet and Physical Activity on Cancer Prevention and Control**.

We would be happy to receive your manuscript related to this topic. Once the Special Issue is closed, we will share it with relevant scholars to promote all contributions. Nutrients is an open access journal with high visibility (<http://www.mdpi.com/journal/nutrients>); we also conduct free English editing after the acceptance of your paper. The article processing charge (APC) is 2000 CHF (2400 CHF after 31 December 2020) per accepted paper, and authors invited by the Guest Editor will enjoy a 20% discount.

If you wish to check the suitability of your manuscript for this issue prior to submission, you are welcome to send an abstract to the Editorial Office (your name and email address) and we will provide you with feedback shortly.

Thank you for your consideration!

Christina

Call for Papers – special issue energy balance and cancer for the journal *Cancers* – see invitation from **Justin Brown** (TREC Fellow 2018):

Dear TREC Colleagues,

I am guest editor of a special issue titled “The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control” in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is [here](#). Deadline for manuscript submissions is **30 June 2021**. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don’t hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

Funding Opportunities

AACR Current Funding Opportunities – bookmark this [URL](#) and check frequently for a myriad of opportunities across a wide range of career stages!

The Nutrition for Precision Health RFAs have been published! The link to each RFA can be found below

- [Nutrition for Precision Health, powered by the All of Us Research Program: Artificial Intelligence for Multimodal Data Modeling and Bioinformatics Center \(U54 Clinical Trial Not Allowed\)](#) (RFA-RM-21-001)
- [Nutrition for Precision Health, powered by the All of Us Research Program: Metabolomics and Clinical Assays Center \(U24 Clinical Trial Not Allowed\)](#) (RFA-RM-21-002)
- [Nutrition for Precision Health, powered by the All of Us Research Program: Microbiome and Metagenomics Center \(U24 Clinical Trial Not Allowed\)](#) (RFA-RM-21-003)
- [Nutrition for Precision Health, powered by the All of Us Research Program: Dietary Assessment Center \(U24 Clinical Trial Optional\)](#) (RFA-RM-21-004)
- [Nutrition for Precision Health, powered by the All of Us Research Program: Clinical Centers \(UG1 Clinical Trial Required\)](#) (RFA-RM-21-005)
- [Nutrition for Precision Health, powered by the All of Us Research Program: Research Coordinating Center \(U24 Clinical Trial Not Allowed\)](#) (RFA-RM-21-006)

Notices of Intent to Publish

- [Notice of Intent to Publish a Funding Opportunity Announcement for Research Grants for the Metabolic Dysregulation and Cancer Risk Program: a Transdisciplinary Approach to Obesity-Associated Research \(U01 Clinical Trial Optional\)](#) (NOT-CA-21-037). National Cancer Institute
- [Notice of Intent to Publish a Funding Opportunity Announcement for Coordinating Center for the Metabolic Dysregulation and Cancer Risk Program: a Transdisciplinary Approach to Obesity-associated Research \(U01 Clinical Trial Not Allowed\)](#) (NOT-CA-21-038). National Cancer Institute

Career Opportunities

Post-doctoral Fellowship – Melanoma Medical Oncology - MD Anderson Cancer Center, Houston, TX.

A postdoctoral fellowship position is available immediately in the laboratory of **Dr. Jennifer McQuade (2017 TREC Fellow)**, a Physician-Scientist and Assistant Professor in the Department of Melanoma Medical Oncology at the University of Texas MD Anderson Cancer Center. The focus of our lab is dissecting the role of modifiable host factors (including diet, the microbiome, obesity, and stress) on melanoma biology and anti-tumor immunity. Our goal is to develop patient-relevant novel treatment strategies to improve outcomes with immune and targeted therapy.

This position will include focused studies on the role of diet on melanoma biology, immune response, metabolism, and the microbiome. These preclinical studies (both in vivo and in vitro) will be in parallel to controlled feeding studies being conducted in

humans by the McQuade lab with intensive translational components and the candidate will have opportunity to work on these correlative studies as well. Unique resources include metabolic phenotyping systems (metabolic mouse cage systems and Seahorse), one of the largest repositories of annotated melanoma biospecimens in the world, and resources such as patient-derived tumor cell lines with matched autologous tumor infiltrating lymphocytes.

The candidate should have a doctorate degree and a strong background in one of more of the following: molecular biology, immunology, nutritional biochemistry, metabolism, cancer biology, and/or microbiome and experience with mouse models. Candidates should be enthusiastic about collaborative and interdisciplinary research, be eager to learn new skills and areas, self-motivated, independent, detail-oriented and a problem solver.

The successful candidate will work under the supervision of Dr. Jennifer McQuade and have the opportunity for co-mentorship Drs. Jennifer Wargo/Carrie Daniel-MacDougall (microbiome), Dr. Michael Davies (Molecular Biology), and/or Dr. Cassian Yee (Immunology).

Additional Application Information:

<https://www.postdocjobs.com/posting/7075411>

Interested applicants should send a Cover Letter specifying past research experience/skills/accomplishments, a Curriculum Vitae and the contact information of three (3) Referees to Dr. McQuade (jmcquade@mdanderson.org) with the subject line entitled "Postdoctoral Fellow - Application – Applicant's Name" to jmcquade@mdanderson.org

Post-doctoral Fellowship in Energy Balance and Cancer Survivorship – Kaiser Permanente Division of Research Northern California – Oakland, CA

This opportunity announcement is brought to TREC by 2018 Fellow **Dr. Elizabeth Cespedes Feliciano**. Kaiser Permanente Northern California Division of Research (DOR) is seeking a post-doctoral fellow (100% FTE for at least 2 years) interested in investigating the influence of energy balance (including body composition and dietary patterns) on cancer survivorship as well as the mechanisms of those relationships. The postdoctoral fellow will work with investigators on a variety of NIH- and foundation-funded projects including: (a) investigating whether plant-based dietary patterns influence breast cancer outcomes; (b) examining the relationship of body composition to metabolic syndrome prevalence in breast cancer patients and to expression levels of genes in immune and metabolic pathways in breast tumors; (c) examining whether muscle mass in colon cancer patients is related to functional status, metabolic syndrome or chemotherapy toxicity; and (d) understanding the role of frailty as measured by muscle loss in outcomes of oncologic and other surgeries in older adults. Roles and responsibilities include conducting independent epidemiologic and biostatistical analysis, writing manuscripts for peer-reviewed publication and presentation of abstracts at scientific meetings and assisting in study conduct (e.g., design requirements for databases and data validation) and in grant writing and submission. The successful candidate will ideally have methodological training in epidemiologic methods, biostatistics, programming skills, content knowledge in nutrition and/or cancer survivorship, strong writing skills, experience in the publication of scientific manuscripts, and interest and experience in grant writing.

Please submit a cover letter, CV, writing sample (published paper preferred), and references to Adrienne Castillo at Adrienne.Castillo@kp.org (Sr. Research Project Manager). Substantive queries may be addressed to Elizabeth Cespedes Feliciano, ScD, SM at elizabeth.m.cespedes@kp.org (Research Scientist and Principal Investigator). We will accept materials until the position is filled.

Essential functions

- Supports well-defined research with some supervision from the Research Scientist.
- Prepares publications independently and drafts grant proposals for review by the Research Scientist.
- Provides input on study design, develops analytic plans and interprets study results for the Research Scientist.
- May work with other Research Scientists internal to DOR and scientists external to DOR.
- May provide consultation and direction to programmer analysts with regard to data management and analysis.
- Prepares and presents abstracts and papers at national scientific meetings and for peer-reviewed publications.
- Seeks consultation from senior scientists for specific scientific and administrative issues.

Basic qualifications

- PhD or equivalent in, Epidemiology, Nutrition, Exercise Science or Public Health or related field.
- Proven proficiency in cancer research methodology/research study design, hypothesis testing and quantitative data interpretation and application.
- Proven proficiency in computer applications in a PC environment, including statistical software (eg., SAS/R.)
- Master’s level coursework in biostatistics including survival analysis.
- Knowledge of medical terminology.
- Background/experience in methods to assess body composition and/or cancer epidemiology with an emphasis on energy balance or nutrition. Background in physical activity epidemiology within cancer will be considered.
- Preference will be given to applicants with strong analytic and writing skills, including a demonstrated ability to publish papers and write successful grant proposals.

TREC Connects! Volume 3, Issue 2 (March 2021)

Visit us at TRECTraining.yale.edu

**Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). *Thank you!***



TREC Connects!

Your bi-monthly newsletter from the TREC Training Program

Volume 3, Issue 3. May 2021

Greetings!

Dear TREC Faculty and Fellows and Friends,

We hope that you are continuing to stay healthy and safe. Although our in person TREC Workshop has been disrupted again due to the ongoing pandemic and we again are forced to be physically apart yet together virtually next month, we feel immense gratitude for our TREC community and for your continued interest in our TREC program. We have nearly finalized the agenda for this year's Workshop which now is just ahead (June 20-25) and are looking forward to meeting our amazing 2021 TREC Fellows on zoom! We've made some exciting changes to the agenda this year, based on former Fellows' feedback, so even five years in it will be refreshed and fun! Diana will be sending out the program book and Zoom meeting IDs by email in early June. We thank all 2021 participants and look forward to learning from you. All of the presenters are phenomenal – for example again this year we welcome back Melissa Marshall, Founder – Present Your Science, who will share with us information on how to improve our presentations, with extra attention to virtual zoom presentations. Stay safe, be well, and see you again soon on Zoom!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Lin Yang, PhD. 2020 TREC Fellow,

Collaborator: Tina Skinner, PhD. 2019 TREC Fellow and Dr. Yang's peer mentor for TREC-2020.

Title: Exercise intervention for prostate cancer men managed by active surveillance: a knowledge survey

Mechanism: University of Calgary VPR Catalyst Grant

PI: Diane Ehlers, PhD. 2018 TREC Fellow.

University of Nebraska

Title: A prospective investigation of patterns of physical activity and cognition in overweight and obese breast cancer survivors undergoing chemotherapy

Mechanism: NCI. Submitted as an R01, received outstanding score so reassigned as an R37 MERIT award (CA252060)

Comment from Diane: "Thank you very much to Tara Sanft and Catherine Alfano for being my TREC mentors and for reviewing the grant and providing me with such valuable feedback. So glad to be part of the TREC community. It was great for my career in 2018 when I was a fellow and continues to be great for my career."

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Title: Assessing the role of the interoceptive brain system in the pathophysiology and treatment of chemotherapy-induced peripheral neuropathy

Mechanism: NCI, R21 – likely to be funded based on score (2nd submission)

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Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Developing and adapting a mobile health exercise intervention for older patients with myeloid neoplasms: A qualitative study.](#) **Loh KP, Sanapala C, Digiovanni G, Klepin HD, Janelins M, Schnall R, Culakova E, Vertino P, Susiarjo M, Mendler JH, Liesveld J, Lin PJ, Dunne R, Klecker I, Mustian K, Mohile SG.** J Geriatr Oncol. 2021 Mar 3;S1879-4068(21)00049-7. PMID: 33676900.

[Association of obesity with breast cancer outcome in relation to cancer subtypes: a meta-analysis.](#) **Ana Elisa Lohmann, MD, PhD, Sara V Soldara, MD, FRCPC, Isabel Pimentel, MD, Domen Ribnikar, MD, Marguerite Ennis, PhD, Eitan Amir, MD, PhD, Pamela J Goodwin, MD, FRCPC, MSc.** JNCI: Journal of the National Cancer Institute, djab023, <https://doi.org/10.1093/jnci/djab023>. PMID: 33620467.

[Association of balance function as predictor of all-cause and cause-specific mortality among US adults.](#) Cao C, Cade TW, Li S, McMillan J, Friedenreich C, **Yang L.** Jama Otolaryngology-Head & Neck Surgery 2021 Mar 11 [Epub ahead of print]. PMID: 33704356. PMCID: PMC7953337 (available on 2022-03-11).

[Circulating miRNAs as early indicators of diet and physical activity response in women with metastatic breast cancer.](#) **Jessica Olson, Patricia Sheean, Lauren Matthews, Christopher R Chitambar, Anjishnu Banerjee, Alexis Visotcky, Marcelo Bonini, Melinda Stolley.** Future Sci OA. 2021 Mar 4;7(4):FSO694. doi: 10.2144/fsoa-2020-0208. PMID: 33815828. PMCID: PMC8015665.

[Sleep Duration and Type 2 Diabetes Risk: A Prospective Study in a Population-based Mexican American Cohort.](#) **Wu IHC, Heredia NI, Dong Q, McNeill LH, Balachandra D, Lu Q, Chang S.** Sleep Health. 2021 Apr;7(2)168-176. Epub ahead of print. PMID: 33582048.

[Association of alcohol use and physical activity with Body Mass Index in Mexican-origin adults.](#) **Heredia NI, Dong Q, Chang S, McNeill LH.** Journal of Racial and Ethnic Health Disparities. 2021 Mar 15. doi: 10.1007/s40615-021-01019-2. Epub ahead of print. PMID: 33721292.

[Ambulatory Function and Mortality among Cancer Survivors in the NIH-AARP Diet and Health Study.](#) **Salerno EA, Saint-Maurice PF, Willis EA, Moore SC, DiPietro L, Matthews CE.** Cancer Epidemiol Biomarkers Prev. 2021 Apr;30(4):690-698. doi: 10.1158/1055-9965.EPI-20-1473. Epub 2021 Mar 4. PMID: 33664017.

Dr. Salerno (TREC Fellow 2020) shares the following information about this publication: We are so excited about this publication which may be of interest to the TREC community! We were also excited that it received a bit of media attention as well – here are the press releases:

- <https://source.wustl.edu/2021/03/walking-pace-among-cancer-survivors-may-be-important-for-survival/>
- <https://www.aacr.org/about-the-aacr/newsroom/news-releases/ambulatory-function-among-cancer-survivors-may-be-an-important-determinant-for-survival/>
- <https://ascopost.com/news/march-2021/study-finds-cancer-survivors-with-poor-ambulatory-function-may-be-at-an-increased-risk-of-death/>

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Margaret Raber, PhD, 2020 TREC Fellow, received a promotion from Postdoctoral at UT MD Anderson to Assistant Professor at the Baylor College of Medicine USDA Children's Nutrition Research Center. Maggie will be getting a new email address once she is moved to Baylor, and will notify Diana so we are sure to be able to stay in touch! *Super exciting, Maggie – way to go!*

Canhua Xiao, PhD, RN, FAAN, 2017 TREC Fellow, has returned to Emory University where she accepted a position as Acting Associate Professor in the Nell Hodgson Woodruff School of Nursing. Canhua's new email address is canhua.xiao@emory.edu. *Welcome back to Atlanta, Canhua, and congratulations!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

And more shout outs to *drum roll, please!*

Ana Lohmann, MD, PhD, 2018 TREC Fellow, announces her new podcast: Diabetes, metformin and breast cancer: a tangled web Annals of Oncology. <https://soundcloud.app.goo.gl/aRxZHa31aLo3ueGT6>. So exciting, Ana, congrats!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

Robert H. Lurie Comprehensive Cancer Center of Northwestern University – Cancer Prevention Symposium: Cancer and Obesity – Virtual Conference -- May 21, 2021.

This conference will bring together leading experts and oncology professionals from across the nation to discuss biological mechanisms that may contribute to obesity-cancer linkage and interventions with the potential to reduce cancer recurrence risk or progression and improve quality of life. Drs. Hursting, Schmitz, and Demark-Wahnefried (TREC Faculty) join Dr. Panda of the Salk Institute and Dr. Pollack from McGill University as members of the speaker panel. There is no conference registration fee. Continuing education contact hours are available for nurses. Learn more [here](#). Register [here](#).

TREC Webinar Series – Call for TREC Fellow Presenters – Our series for the 2020-2021 academic year has completed. Our next series for the 2021-2022 academic year will begin in September. Save the Dates:

Sept 22, 2021 Nov 17, 2021 Jan 26, 2022 Mar 23, 2022

All times 1-2pm ET / Noon-1pm CT / 11-Noon MT / 10-11am PT

TREC Fellows: would you like a presentation slot at one of these webinars? These are a great way to present your work to our large TREC community in a convenient way without having to travel. Notify Diana at dlowry@fredhutch.org! First-come, first-served – hurry, the spots go fast!

International Science of Team Science Annual Conference – virtual – June 7-11, 2021.

Full list of confirmed speakers and workshops is [here](#), and conference registration website is [here](#).

2nd Annual Interdisciplinary Nutrition Sciences Symposium – virtual - June 21-22, 2021. Hosted by the University of North Carolina, TREC Faculty **Dr. Steve Hursting** and 2019 TREC Fellow **Dr. Carmina Valle** would like to inform you of this event which will focus **on Heterogeneity in Obesity: Implications for Cancer and Related Obesity-Associated Outcomes**. Information about the full program, registration and a call for abstracts can be found at www.interdisciplinarynutrition.org. With support from the National Cancer Institute, conference organizers are offering sponsored registration for selected applicants from populations underrepresented in science or early career scientists. Apply for registration sponsorship [here](#). Questions can be sent to inss@unc.edu. Submit abstracts [here](#) for the poster session; 3 abstracts will be selected for oral presentation. Questions can be sent to inss@unc.edu.

Translational Energy Balance and Cancer Conference. Houston, TX - July 8-10, 2021.

The conference **“Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer”** will be held at The University of Texas MD Anderson Cancer Center in Houston, TX. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Late breaking abstracts are due May 24, 2021 - [submission information and guidelines are here](#).

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Two conferences focused on metabolism which Dr. Spencer Rosario (TREC 2021 Fellow) would like to bring your attention to:

May 20, 2021 [International Conference on Autophagy in Cancer and Metabolism \(ICACM\)](#)

Feb 15, 2022 [International Conference on Oncogenesis and Cancer Metabolism \(ICOCM\)](#)

Other Opportunities and Items of Interest

Request for Information – ECHO RFI and Preconception Workshop: Childhood Obesity

The National Institutes of Health (NIH) Environmental influences on Child Health Outcomes (ECHO) Program recently released a [Request for Information](#) (RFI) to seek input from the scientific community and the general public about enhancing ECHO science.

Through this RFI, the NIH is requesting comments on a number of topics, including the preconceptional origins of child health outcomes.

The NIH values your insight. Please provide comments by May 25, 2021 to NIHKidsandEnvironment@od.nih.gov.

They would also greatly appreciate your sharing this RFI with members of your communities and others who might be interested in sharing their input.

For more information about this RFI, please register and join a [webinar](#) on May 6, 2021 at 2:30-3:30 p.m. ET.

ECHO will also sponsor a workshop on Preconceptional Origins of Child Health Outcomes on June 17 and 18, 2021. Register [here](#).

Call for Papers – special issue energy balance and cancer for the journal *Cancers* – see invitation from Justin Brown (TREC Fellow 2018):

Dear TREC Colleagues,

I am guest editor of a special issue titled “The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control” in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is [here](#). Deadline for manuscript submissions is **30 June 2021**. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don’t hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

Call for Papers – Special Edition on Diet and Physical Activity in the journal *Nutrients*, co-edited by Drs. Wendy Demark-Wahnefried (TREC Faculty) and Christina Dieli-Conwright (2017 TREC Fellow). Details from Christina:

Dear TREC Colleagues,

Nutrients has a decent impact factor of 4.54, so hoping you might be working on a paper currently that you might send this way? As stated in the description below, you can either float the abstract by me, Wendy or the editorial office.

Journal: *Nutrients* (ISSN 2072-6643; IF: 4.546)

Special Issue: **Effect of Diet and Physical Activity on Cancer Prevention and Control**. [Link is here](#).

Guest Editor: **Prof. Dr. Wendy Demark-Wahnefried and Dr. Christina Dieli-Conwright**

***Submission deadline*: 7 September 2021**

Nutrients is planning a Special Issue focusing on **Effect of Diet and Physical Activity on Cancer Prevention and Control**.

We would be happy to receive your manuscript related to this topic. Once the Special Issue is closed, we will share it with relevant scholars to promote all contributions. Nutrients is an open access journal with high visibility (<http://www.mdpi.com/journal/nutrients>); we also conduct free English editing after the acceptance of your paper. The article processing charge (APC) is 2000 CHF (2400 CHF after 31 December 2020) per accepted paper, and authors invited by the Guest Editor will enjoy a 20% discount.

If you wish to check the suitability of your manuscript for this issue prior to submission, you are welcome to send an abstract to the Editorial Office (your name and email address) and we will provide you with feedback shortly.

Thank you for your consideration!

Christina

Funding Opportunities

New RFAs of TREC interest released May 3, 2021:

- [Coordinating Center for Exercise and Nutrition Interventions to Improve Cancer Treatment-Related Outcomes \(ENICTO\) in Cancer Survivors Consortium \(U24 Clinical Trial Not Allowed\)](#) (RFA-CA-21-032)
- [Exercise and Nutrition Interventions to Improve Cancer Treatment-Related Outcomes \(ENICTO\) in Cancer Survivors Consortium \(U01 Clinical Trial Required\)](#) (RFA-CA-21-031)

ACR Current Funding Opportunities – bookmark this [URL](#) and check frequently for a myriad of opportunities across a wide range of career stages!

Career Opportunities

National Cancer Institute – Cancer Prevention Fellowship Program, Bethesda, MD.

The NCI is now accepting applications for its Cancer Prevention Fellowship Program. If you are a researcher or clinician with a demonstrated interest in cancer prevention, you may wish to consider applying! More information is [here](#). Apply [here](#).

National Institutes of Health, Office of Disease Prevention, Bethesda, MD.

The NIH Office of Disease Prevention (ODP) is seeking two exceptional professionals to join the office. We are open to considering either a detail or full-time position for either opportunity. Please note there is not a specific link to a vacancy announcement for either position at this time. We are interested in talking to highly qualified candidates directly.

Please submit letters of interest, CVs, or resumes to Marlon Bankhead at marlon.bankhead@nih.gov. Materials should be received no later than Tuesday, May 4. For questions about either position, please contact Marlon Bankhead at marlon.bankhead@nih.gov.

The attachments include specific details related to roles and desired qualifications for each position.

Health Scientist Administrator – GS-601-14

The National Institutes of Health (NIH) [Office of Disease Prevention \(ODP\)](#) is seeking an energetic, highly motivated, detail-oriented professional to serve as a **Health Scientist Administrator, GS-601-14**, to assist with the implementation of a trans-NIH initiative to address the leading risk factors that contribute to morbidity and mortality and to improve delivery of U.S. Preventive Services Task Force-recommended preventive services in populations that experience health disparities. The ideal candidate will have 1) experience working at the NIH; 2) substantial expertise in health disparities and prevention research; 3) demonstrated experience leading trans-NIH workgroup activities; 4) experience developing and writing FOAs; and 5) experience building partnerships across NIH and with external partners and identifying common areas of interest. [The full position description is attached to this newsletter email.](#)

Health Specialist – GS-601

The National Institutes of Health (NIH) [Office of Disease Prevention \(ODP\)](#) is seeking an energetic, highly motivated, detail-oriented professional to serve as a **Health Specialist, GS-0601-13**, to provide project management and analytical support for the implementation of a trans-NIH initiative to address the leading risk factors that contribute to morbidity and mortality and to improve delivery of U.S. Preventive Services Task Force-recommended preventive services in populations that experience health disparities.

The ideal candidate will have 1) demonstrated experience supporting NIH FOA development and tracking; 2) experience using NIH portfolio analysis tools; 3) experience tracking applications and grant awards in NIH or related systems (e.g., QVR); 4) experience planning, coordinating, and managing workgroups/committees; and 5) extensive project management expertise. The full position description is attached to this newsletter email.

Post-doctoral Fellowship Positions, Roswell Park Cancer Center, Buffalo, NY

Two opportunity announcements are brought to TREC by new 2021 Fellow **Dr. Spencer Rosario**:

Cancer Metabolism, Transcription and Metastasis Research

A postdoctoral position is open in the laboratory of Dr. Subhamoy Dasgupta in the Department of Cell Stress Biology. The Dasgupta lab focuses on discovering novel metabolic adaptations, and investigates biological mechanisms such as transcriptional regulation, nuclear receptor and steroid hormone action, nutrient signaling, mitochondrial biology, epigenetics, and tumor immunology in the progress of cancer metastasis. The position description and application instructions are [here](#). Learn more about Dr. Dasgupta [here](#).

Pediatric Oncology – Focus on Immunometabolism

The Department of Pediatric Oncology is seeking a full time Post-doctoral fellow in the laboratory of Dr. Nataliya Buxbaum, recently recruited to Roswell Park from the National Cancer Institute, NIH. The Buxbaum lab focuses on immunometabolism and its dysregulation following hematopoietic stem cell transplantation. The position description and application instructions are [here](#). Learn more about Dr. Buxbaum [here](#).

TREC Connects! Volume 3, Issue 3 (May 2021)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your bi-monthly newsletter from the TREC Training Program

Volume 3, Issue 4. October 2021

Greetings!

Dear TREC Faculty and Fellows and Friends,

Hello from TREC and welcome to our first *TREC Connects* newsletter edition of the 2021-2022 academic year! We have much to update you about below – fantastic publications, grant awards, career opportunities and lots of other newsworthy items! AND – we are beyond thrilled to announce that we have received our Notice of Award for our second cycle of five-year funding ensuring continuation of the TREC Training Workshop through 2026! The call for applications for the TREC-2022 Fellowship Cohort will be launched by October 15. LOIs will be due by December 15 and full applications (web-based) will be due January 15. The application portal is being programmed now. Once ready, stay tuned for emails from Diana and please help us spread the word for TREC-2022!

We hope that you are all staying happy and healthy!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Yue Liao, PhD. 2019 TREC Fellow

Two new grants!

Title: Using mobile and sensor technology to understand the micro-temporal motivational processes regulating physical activity adoption and maintenance in cancer survivors

Mechanism: Center for Research and Scholarship Pilot Project Award, the University of Texas at Arlington

Title: From data to personalized preventive medicine: Leveraging wearable sensors to promote active living in women of color with obesity

Mechanism: Interdisciplinary Research Program, The University of Texas at Arlington

PI: Ivan Wu, PhD. 2020 TREC Fellow

Title: Social Determinants of Sleep and Obesity: Disparities in African Americans

Mechanism: K99/R00

PI: Lin Yang, PhD. 2020 TREC Fellow

Title: Participating Exercise Prehabilitation to Keep up Function Capacity for Radical Cystectomy: A Window-of-Opportunity Randomized Controlled Trial: PEAK-RC

Mechanism: Office of Surgical Research, University of Calgary, Canada.

Comment from Lin, "This grant is TREC-related because it is a similar model to my PEAK-RP trial, which was my application to TREC in 2020. Now I've converted it from the radical prostatectomy (RP) setting to radical cystectomy. Particularly, I benefit from inputs on HIIT and study design from Tina Skinner, who is my TREC peer mentor.

PI: Nathan Parker, PhD. 2019 TREC Fellow

Title: Tele-resistance training intervention for individuals with advanced GI cancers

Mechanism: NCI K22

Comment from Nate, "this grant stems directly from the proposal that I worked on during TREC!"

PI: Jasmine Sukumar, MD. 2021 TREC Fellow

Title: Behavioral Intervention Weight Loss Study for Breast Cancer Survivors

Mechanism: The Alliance cancer control pilot program

Comment from Jasmine, "We plan to begin accrual in October. I am very grateful for all the mentorship and guidance I have and continue to receive through TREC to strengthen this study. It has been invaluable!"

PI: Heather Leach, PhD, FACS. 2018 TREC Fellow

Title: An adaptive physical activity maintenance intervention for cancer survivors

Mechanism: NCI R21

Comment from Heather, "This was in response to [PAR-18-307](#) so in two years I will submit a progress report to be considered for the R33 phase!"

PI: Katherine Cook, PhD. 2020 TREC Fellow

Title: Harnessing the gut microbiome to improve endocrine targeting therapy responsiveness in ER+ breast cancer

Mechanism: DOD grant (3-year, 1.5 million USD)

PI: Melinda Stolley, PhD (TREC Faculty) with Jessica Olson, PhD, TREC Fellow 2020

Title: Every Day Counts

Mechanism: NIH R01

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Designing Relevant Preclinical Rodent Models for Studying Links Between Nutrition, Obesity, Metabolism, and Cancer](#). Glenn EM, Coleman MF, **Giles ED, Wellberg EA, Hursting SD**. Annu Rev Nutr. 2021 Aug 6. doi: 10.1146/annurev-nutr-120420-032437. Epub ahead of print. PMID: 34357792.

[A systematic review of the use of dietary self-monitoring in behavioural weight loss interventions: delivery, intensity and effectiveness](#). **Raber M, Liao Y**, Rara A, **Schembre SM**, Krause KJ, **Strong L**, Daniel-MacDougall C, **Basen-Engquist K**. Public Health Nutr. 2021 Aug 20:1-29. doi: 10.1017/S136898002100358X. Epub ahead of print. PMID: 34412727.

[Active Living After Cancer: Adaptation and evaluation of a community-based physical activity program for minority and medically underserved breast cancer survivors](#). Tami-Maury IM, **Liao Y**, Rangel ML, Gatus LA, Shinn EH, Alexander A, **Basen-Engquist K**. Cancer. 2021 Sep 23. doi: 10.1002/cncr.33904. Epub ahead of print. PMID: 34554567.

[Effects of Exercise on Cancer Treatment Efficacy: A Systematic Review of Preclinical and Clinical Studies](#). **Yang L**, Morielli AR, Heer E, Kirkham AA, Cheung WY, Usmani N, Friedenreich CM, **Courneya KS**. Cancer Res. 2021 Oct 1;81(19):4889-4895. doi: 10.1158/0008-5472.CAN-21-1258. Epub 2021 Jul 2. PMID: 34215623.

[Physical Activity Patterns and Relationships With Cognitive Function in Patients With Breast Cancer Before, During, and After Chemotherapy in a Prospective, Nationwide Study](#). **Salerno EA**, Culakova E, Kleckner AS, Heckler CE, Lin PJ, Matthews CE, Conlin A, Weiselberg L, Mitchell J, Mustian KM, Janelins MC. J Clin Oncol. 2021 Aug 18;JCO2003514. doi: 10.1200/JCO.20.03514. Epub ahead of print. PMID: 34406822.

Comment from Liz, "We are excited that this paper received a bit of media attention as well:

- [US News and World Report](#)
- [NCI Cancer Currents Blog](#)

[Effects of a DVD-delivered randomized controlled physical activity intervention on functional health in cancer survivors](#). **Salerno EA**, Gothe NP, Fanning J, **Peterson LL, Colditz GA**, McAuley E. BMC Cancer. 2021 Jul 29;21(1):870. doi: 10.1186/s12885-021-08608-8. PMID: 34325676; PMCID: PMC8323277.

[Feasibility and Acceptability of a Home-based Resistance Training Intervention in Adolescent and Young Adult Hematopoietic Cell Transplant Survivors](#). **Ketterl T**, Ballard S, Bradford M, Chow E, Jenssen K, Myers S, Rosenberg A, Van Doren M, Baker KS. *Pediatr Blood Cancer*. 2021 Nov;68(11):e29206. doi: 10.1002/pbc.29206. Epub 2021 Jul 14. PMID: 34260139; PMCID: PMC8463478.

Comment from Tyler, "This is the manuscript that I was working during TREC – have cited TREC in acknowledgement!"

[Prevalence and factors associated with NAFLD detected by vibration controlled transient elastography among US adults: Results from NHANES 2017-2018](#). Zhang X, **Heredia NI**, Balakrishnan M, Thrift AP. *PLoS One*. 2021 Jun 3;16(6):e0252164. doi: 10.1371/journal.pone.0252164. PMID: 34081733; PMCID: PMC8174685.

[Sarcopenia in the Older Adult With Cancer](#). **Williams GR, Dunne RF, Giri S**, Shachar SS, **Caan BJ**. *J Clin Oncol*. 2021 Jul 1;39(19):2068-2078. doi: 10.1200/JCO.21.00102. Epub 2021 May 27. PMID: 34043430; PMCID: PMC8260902.

[The Association Between Modifiable Lifestyle Factors and Postoperative Complications of Elective Surgery in Colorectal Cancer Patients](#). Loogman L, de Nes LCF, Heil TC, **Kok DEG, Winkels RM**, Kampman E, de Wilt JHW, van Duijnhoven FJB; COLON Collaborative. *Dis Colon Rectum*. 2021 Jun 1. doi: 10.1097/DCR.0000000000001976. Epub ahead of print. PMID: 34082436.

[Low-fat dietary pattern and breast cancer mortality by metabolic syndrome components: a secondary analysis of the Women's Health Initiative \(WHI\) randomised trial](#). **Pan K**, Aragaki AK, **Neuhouser ML**, Simon MS, Luo J, **Caan B**, Snetselaar L, Mortimer JE, Manson JE, Kroenke C, Lane D, Reding K, Rohan TE, **Chlebowski RT**. *Br J Cancer*. 2021 Aug;125(3):372-379. doi: 10.1038/s41416-021-01379-w. Epub 2021 May 18. PMID: 34006923; PMCID: PMC8329224.

[WISER Survivor Trial: Combined Effect of Exercise and Weight Loss Interventions on Insulin and Insulin Resistance in Breast Cancer Survivors](#). D'Alonzo NJ, Qiu L, **Sears DD**, Chinchilli V, **Brown JC**, Sarwer DB, **Schmitz KH, Sturgeon KM**. *Nutrients*. 2021 Sep 4;13(9):3108. doi: 10.3390/nu13093108. PMID: 34578984; PMCID: PMC8469124.

IN ADDITION:

Earlier this summer we compiled a list of publications that TREC fellows have published between January 18 and August 2020 with the fellow as either first or last author and another TREC fellow or faculty member included as a co-author! The list is attached to this email and will be updated periodically. *Great work, everyone!!!!*

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Margaret Raber, PhD, 2020 TREC Fellow. Maggie's promotion from Postdoc at UT MD Anderson to Assistant Professor at the Baylor College of Medicine USDA Children's Nutrition Research Center was announced in the previous TREC newsletter and now we she announces her new email address is margaret.raber@bcm.edu and you can read her new bio [here](#) on the BCM faculty page. *Congrats again on your transition, Maggie!*

Ian Kleckner, PhD, 2018 TREC Fellow. Ian has moved from University of Rochester to the University of Maryland at Baltimore where he started a new position last month as Director of Cancer Control Mind and Body Lab. Ian can now be reached at ian.kleckner@umaryland.edu. *Way to go, Ian!*

Kristin Guertin, PhD, 2018 TREC Fellow. Kristin has accepted an Assistant Professor position at the University of Connecticut School of Medicine, Department of Public Health Sciences. Her new email address is kguertin@uchc.edu. *Welcome to New England, Kristin!*

Nathan Parker, PhD, 2019 TREC Fellow. *Congrats also to Nate* who this summer began his new role as Assistant Member in the Department of Health Outcomes and Behavior at the Moffitt Cancer Center, Tampa! Nate can now be reached at Nathan.Parker@moffitt.org.

Jingjing Jiao, PhD, 2017 TREC Fellow. Jingjing recently accepted a pathology resident position at Yale University. Her new email is jingjing.jiao@yale.edu. *MD Anderson's loss is Yale's gain, Jing! Congrats!*

Heather Leach, PhD, FACS, 2018 TREC Fellow. *Kudos to Heather* who has been promoted from Assistant to Associate Professor! Heather is still in the department of Health and Exercise Science, Colorado State University, so her email address stays the same at Heather.Leach@colostate.edu.

Katherine Cook, PhD, 2020 TREC Fellow. Katherine has been promoted to Associate Professor with tenure at Wake Forest University. *This is terrific news, Katherine, congratulations!*

Nina Kadan-Lottick, MD, TREC Faculty and Mentor, has moved from Yale to Georgetown Lombardi Comprehensive Cancer Center where she is Professor of Oncology and Pediatrics and Director of the Survivorship Research Initiative. Dr. Kadan-Lottick can be reached at nina.kadanlottick@georgetown.edu – *congrats, Nina!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 3

Our series for the 2021-2022 academic year kicked off last month with our largest attendance to-date! The remaining webinars for this series are listed below – Save the Dates!

- November 17, 2021 – 1-2pm Eastern: Liz Salerno (2019) and Deepa Sathyaseelan (2021)
- January 26, 2022 – 1-2pm Eastern: Diane Ehlers (2018) and Annie Newell-Fugate (2020)
- March 23, 2022 – 1-2pm Eastern: Gwendolyn Thomas (2020) and Urvi Shah (2021)

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission). The TREC membership will be notified by email when the webinar recordings are available.

NCI Webinar: The Activities Completed over Time in 24 Hours (ACT24) Recall Instrument: Availability & Results – Oct 7, 2021

This webinar from 2-3pm EDT will describe the updated NCI ACT24 physical activity assessment tool, a web-based previous-day recall instrument that was designed to estimate daily summary values for physical activity, sedentary behavior, and energy expenditure. Experts will share results concerning validation studies, as well as national estimates for sedentary time, moderate to vigorous physical activity, and COVID-related changes in activity among US adults between Fall 2019 and 2020. ACT24 is freely available for use by researchers, teachers, clinicians, and others interested in assessing daily physical activity levels. [Register here.](#)

NCI Webinar –Tips and Tricks: Learning from Experts to Develop a SEER-MHOS Project – Oct 13, 2021 at 1-2pm EDT

Interested in learning about a large patient-centered cancer health outcomes data resource? The National Cancer Institute (NCI) supports a research resource linking the Surveillance Epidemiology and End Results (SEER) cancer registry with Medicare Health Outcomes Survey (MHOS) data from the Centers for Medicare & Medicaid Services to enable investigators to conduct patient-reported outcomes research. SEER-MHOS offers opportunities to examine cancer health outcomes, such as health-related quality of life and activities of daily living, along with clinical and epidemiologic information. [Register here.](#)

ACR Virtual Conference: 14th Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medical Underserved – October 6-8, 2021

- [View Program](#)
- [Register Here](#)

Back by Popular demand: the AAMC Virtual Leadership Development Seminar for Women Faculty in Medicine and Science – Dec 7-9, 2021 (Virtual)

TREC Faculty **Dr. Nina Kadan-Lottick** recommends this seminar. Registration will open in mid-October; the conference. View details and register [here](#).

ASPO Annual Meeting 2022 – In Person (tentative) – March 13-15, 2022, Tucson, AZ

Theme: “Towards Achieving Health Equity”

[Meeting overview and to register](#)

[Call for Abstracts](#): now open; due Nov 15

AACR Annual Meeting 2022 – In Person – April 8-13, 2022, New Orleans, LA

Theme: “Decoding Cancer Complexity, Integrating Science, Transforming Patient Outcomes.”

[Meeting overview and to register](#)

[Call for Abstracts](#): will open Sept 21, due Nov 18 (late breaking and clinical trials abstracts due Jan 10)

Other Opportunities and Items of Interest

Call for Papers – Special Issue “The Role of Lifestyle-Related Factors in Cancer Survivorship” – see invitation from **Alina Vrieling** (TREC Fellow 2021) and **Renate Winkels** (TREC Fellow 2018):

Dear TREC Colleagues,

We are guest editors of a special issue titled “The Role of Lifestyle-Related Factors in Cancer Survivorship” in the journal *Cancers*. This is an open access journal that is indexed in PubMed and received a 2020 impact factor of 6.639. The link to the call for papers is https://www.mdpi.com/journal/cancers/special_issues/cancer_survivorship_lifestyle. Deadline for manuscript submissions is **15 January 2022**. If you are preparing papers related to this topic, please keep this special issue in mind. If you have any questions, please don’t hesitate to email us: alina.vrieling@radboudumc.nl or renate.winkels@wur.nl.

Thank you,

Alina and Renate

Implementation Science Training Opportunities - from our esteemed Dr. Graham Colditz (TREC Faculty and SAB member emeritus).

- [Institute for Implementation Science Scholars](#) at Washington University in St. Louis
- [NIH-Training Institute for Dissemination and Implementation Research in Cancer \(TIDIRC\)](#) – Open Access Course

NIH Request for Information (RFI) on Research Opportunities to End Hunger, Food and Nutrition Insecurity

This RFI invites input on the approaches NIH can take to address hunger, food insecurity and nutrition insecurity through innovative and multidisciplinary research. The RFI indicates specific areas for which input is sought. Due Nov 1. [NOT-OD-21-183](#).

NIH resources to improve recruitment of underserved participants into cancer studies – Drs. Sharon Ross, Tanya Agurs-Collins, and Linda Nebeling have provided the following information

Center to Reduce Cancer Health Disparities (CRCHD) -<https://www.cancer.gov/about-nci/organization/crchd>- has a Diversity Training Branch to fund students and investigators from diverse populations in cancer health disparities research. CRCHD link focused on training <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/icure>. These training programs require participation in educational sessions that may cover recruitment and retention.

The Division of Cancer Prevention has developed the Accrual Quality Improvement Program (AQUIP), not diversity specific but addresses recruitment in cancer patients, see <https://www.dcpaquip.com/Default.aspx>

The following NOSI may also be of interest, “Notice of Special Interest: National Cancer Institute Administrative Supplement Opportunity for Strategies to Optimize Recruitment and Retention of Cancer Prevention and Symptom Management Clinical Trial Participants,” <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-21-070.html>

Recruitment opportunity for underrepresented researchers: [The PROMISE Study: NIH-funded research study to promote success and equity of underrepresented researchers in the biomedical workforce.](#)

Enrolling now! Group meetings start in August 2021!

Mentoring Study for Racially/Ethnically Underrepresented (UR) Researchers

Peer mentoring has been shown to support academic success. This randomized controlled study compares two peer group mentoring approaches for their positive impact on both personal gains (e.g., sense of belonging, research self-efficacy) and longer-term career outcomes (e.g., publications, grants submitted and funded, promotion). (DUHS IRB #Pro00103457).

Eligibility:

- **Postdoc or Early-Career Faculty engaged in biomedical research** (the investigation of the biological or behavioral processes that advance the diagnosis, treatment and/or prevention of disease)
- **Identify as belonging to a racial/ethnic group underrepresented in biomedical research careers.** (Black or African American, Hispanic or Latinx, South Asian, American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, or Multiracial)
- US citizenship or Permanent Residency Status (Green Card)

Benefits:

- Peer group meetings facilitated by senior UR researchers discussing professional development for personal gains and skills-building to enhance academic productivity
- Compensation up to \$500

Study participation involves:

- Enrollment session
- Group meetings (currently by Zoom) for 2 hours, twice per month, for 9 months.
- Completion of online surveys

Interested? Find out more about the study and register your interest on our [website](#), or contact Rebecca Kameny, PhD rebecca.kameny@duke.edu (919) 668-3949; or Cam Hollister nsh10@duke.edu

Updated Cancer Trends Progress Report –has been published. This is a key source of national trend data across a spectrum of cancer control measures. From prevention to end of life, the site offers trends by sex, age, race, ethnicity, and income and education level, and displays them in relation to Health People 2030 targets, where they are available. Visit the [site](#) to view measures and generate custom reports. For more information, contact Eric (Rocky) Feuer at feuerr@mail.nih.gov.

Just Released by NCI: FY 2021 DCCPS Overview & Highlights – Guiding the Future of Cancer Control

The 2021 issue of the NCI's Division of Cancer Control and Population Sciences (DCCPS) overview and highlights is [here](#)! This year's special edition presents a broad summary of the division's initiatives and accomplishments. Learn about how DCCPS stimulates and builds the science; top examples of progress in each of DCCPS' program areas over the last two decades; and planning for the future.

Funding Opportunities

AACR Grants for Fellows and Junior Faculty – AACR has announced the following funding opportunities:

- Basic cancer research and CORE fellowships
- Career development awards for:
 - Females and underrepresented ethnic or racial groups in pancreatic cancer research
 - Gastric cancer research
 - Physician-scientists conducting translational or clinical cancer research
 - Grants for mid-career female investigators
- [Learn more and apply here](#)

Career Opportunities

Faculty Positions (multiple, tenured, tenure-track, non-tenure-earning) – O’Neal Comprehensive Cancer Center, University of Alabama at Birmingham

This is a major recruitment opportunity for **multiple positions, up to 10 across a broad array of cancer research including obesity and metabolism in cancer**. Open until filled. [See posting and application instructions here](#).

Comment from Dr. Wendy Demark-Wahnefried, “UAB is recruiting in a big way and obesity and metabolism is a priority area for our cancer center – so all TREC fellows are encouraged to apply and if they would like to know more, please contact me – demark@uab.edu.”

Faculty Position (Open-rank, tenure track) -- Department of Health Outcomes and Behavior at Moffitt Cancer Center, Tampa, FL
TREC Fellow (2019) **Dr. Nate Parker** would like to inform the TREC community of this position. Details and to apply are [here](#).

National Cancer Institute – Fellowship in Diet, Physical Activity, Sleep and/or Weight Assessment. Rockville, MD

The Epidemiology and Genomics Research Program, Division of Cancer Control and Population sciences, National Cancer Institute has an opening for a Cancer Research Training Award (CRTA) Fellow for diet, physical activity, sleep, and/or weight assessment. View the full position description, requirements, and application instructions [here](#).

National Cancer Institute – Health Communication Fellowship in Behavioral Research. Rockville, MD

NCI is still seeking applications from qualified candidates for a Cancer Research Training Award (CRTA) fellowship in applied health communication in the Behavioral Research Program. The program initiates, supports, and evaluates a comprehensive program of research to increase the breadth, depth, and quality of behavioral research in cancer prevention and control. [Check it out and apply today!](#)

T32 Post-doctoral Fellowship Opportunity, Georgetown University Lombardi Comprehensive Cancer Center, Washington DC

Bringing to your attention from **Dr. Nina Kadan-Lottick** who recommends that TREC fellows with our focus on cancer energetics would be a great fit with collaborators, resources, and mentors at Georgetown Lombardi Cancer Center:

The Cancer Population Science (CPaS) program at Georgetown Lombardi Comprehensive Cancer Center (GLCCC) is a **T32 training program supported by the National Cancer Institute (NCI)**. The CPaS program focuses on preparing trainees for independent research careers with a focus on translating basic and clinical advances into the clinic, community and policy. Translational research training is grounded in core competencies of **team science, utilization of novel methods and technologies, applying multilevel approaches, knowledge integration to inform policies and care, and addressing health disparities**. [Learn more and apply here](#).

Research Associate II – PATP Lab, Department of Health and Exercise Science at Colorado State University, Fort Collins, CO

Full-time research associate, to assist with a newly awarded federal grant in the [Physical Activity for Treatment and Prevention Lab \(PATP\)](#). The ideal individual is energetic, motivated, committed to the study goals, demonstrates strong work ethic and the ability to work collaboratively in a team environment. Top candidates will have prior experience with community engaged research, data management using RedCap, as well as exceptional communication and organizational skills. The research associate will be responsible for daily management of the study, supervise data collection and data management, oversee research assistants, participant recruitment and retention, liaise with community partners, track study expenditures, and prepare IRB documents and reports to the funding agency. The position is funded for up to 5 years. Specific qualifications and more information about the position and other application details can be found [here](#).

TREC Photo Gallery

Below are fun photos from a few of our TREC-2021 Fellows!!

Alina Vrieling

Amy Dennett

Carrie House



Deepa Sathyaseelan



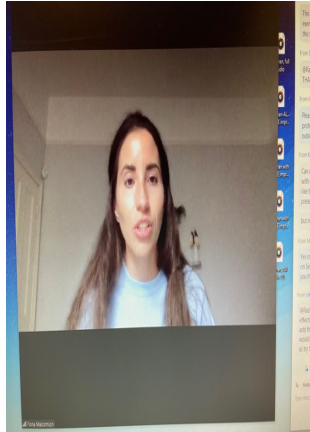
Fiona Malcomson



Humberto Parada



Jennifer Stern



Rachel Hirschey



Richard Dunne
"TREC on the Finger Lakes!"



Urvī Shah



Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). *Thank you!*



TREC Connects!

**Your bi-monthly newsletter from the TREC
Training Program**

Volume 3, Issue 5. December 2021

Greetings!

Dear TREC Faculty and Fellows and Friends,
Greetings from TREC! In the last two months since our prior Newsletter, our community has been busy with several grants awarded, publications, promotions/appointments, and new position opportunities! Check it all out, below.

We are well underway with Notices of Intent to apply for TREC-2022 – the NOI due date is December 15 and we would still like to receive more – so tell your friends and colleagues who may be interested – all that needed for the NOI is simple email to Diana dlowry@fredhutch.org. Applications due January 14, 2022.

We are planning to hold the TREC-2022 Workshop in person this year (though will pivot if needed as the pandemic continues to evolve). Fellows who participated in TREC via Zoom in 2020 or 2021 have been invited to save the dates for in-person attendance and presentations in Connecticut this June during TREC week 2022. We will follow up with 2020 and 2021 Fellows early next year to launch travel planning. Very exciting to be thinking of holding our TREC week in person again (we hope)!

We wish you all a very joyful holiday season!



~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Justin Gregg, MD. 2021 TREC Fellow

Title: Coffee intake, caffeine metabolism genotype, and prostate cancer progression.

Mechanism: American Institution for Cancer Research

PI: Hannah Arem, PhD. 2018 TREC Fellow

Title: Improving cancer survivorship and reducing patient inequities.

Mechanism: U01, Centers for Disease Control and Prevention

PI: Yue Liao, PhD. 2019 TREC Fellow

Title: Use of glucose-based feedback to motivate physical activity in cancer survivors.

Mechanism: American Institution for Cancer Research, Investigator-Initiated Research Grant Program

And, we'd like to share Yue's commentary on what it took to get this funded – a story of perseverance!

"This idea got an ND when I first submitted it as an R21 to NCI. Based on the reviewer comments, I thought this must be a terrible idea for cancer survivors, and I should probably never put a continuous glucose monitor on them. And also, I

should probably never do any studies with cancer survivors, just go back to my cancer prevention realm. BUT, it is the super supportive comments that I received from TREC Faculty Drs. Katie Schmitz and Tara Sanft during my TREC week that made me not abandon this idea totally. After TREC, I tried submitting as a K22 with Katie twice and didn't get funded. I tried resubmitting that R21 – didn't get funded but at least it was discussed. I kept trying, mainly because Katie and Tara told me it is a great research idea and I believed them. 😊

Anyway, this particular research idea might take an extra longer time to get funded than other research projects that our fabulous TREC fellows are producing. But I just wanted to say that how important the support system that TREC offers, especially for early-career researchers, to have their research ideas validated and supported by the senior investigators in this field (that's outside their normal support system). THANK YOU!!" ~Yue

PI: Carmina Valle, PhD. TREC Fellow 2019

Title: A pilot randomized trial of a mobile weight loss intervention for adolescent and young adult cancer survivors

Goals: to adapt a mobile weight loss intervention for AYAs using an iterative process engaging a Community Advisory Board and to determine the feasibility and acceptability of the adapted intervention (AYA Connect) among AYAs.

Mechanism: UNC Lineberger Comprehensive Cancer Center Innovation Award

PI: Dieuwertje Kok, PhD. TREC Fellow 2019

Two new grants!

Title: Folate, folic acid, and chemotherapy-induced toxicities in colorectal cancer patients.

Mechanism: 4-year project funded by the World Cancer Research Fund (WCRF)

About this project, Dieuwertje says, "In this project, we will consider folate biomarkers, DNA methylation and genetic variants in relation to chemotherapy-induced toxicities. Although not directly related to energetics, I had some valuable discussions with TREC staff about this topic during the TREC workshop and of course, we will also carefully consider measures of body composition in our analyses. This project is a collaboration with colleagues from Wageningen University (Dr. Kampman and Dr. van Duynhoven) Northumbria University (Dr. McKay), University of Utah (Dr. Ulrich – TREC!) and Bevilal (Dr. Magne Ueland)."

Title: Coffee consumption, liver fat and colorectal cancer prognosis.

Mechanism: another a 4-year project funded by the WCRF

About this project, Dieuwertje says, "We will study the relation between coffee consumption and colorectal cancer recurrence and survival, with liver fat and fecal microbiota composition as potential mechanistic routes. The objectives related to liver fat & prognosis were directly resulting from my TREC proposal and I am very grateful for all support I received during drafting of these ideas. This project is a collaboration with colleagues from Wageningen University (Dr. Kampman (PI) and Dr. van Duynhoven) and colleagues from IARC (Dr. Scalbert, Dr. Keski-Rahkonen, and Dr Gunter), as well as Erasmus Medical Center (Dr. Bos)."

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Perceived Barriers to Weight Loss among Hispanic Patients with Non-alcoholic Fatty Liver Disease.](#) Heredia NI, Thrift AP, Balakrishnan M. *Hisp Health Care Int.* 2021 Oct 16;15404153211043885. doi: 10.1177/15404153211043885. Epub ahead of print. PMID: 34658280.

[Adjustable intragastric balloon for treatment of obesity: a multicentre, open-label, randomised clinical trial.](#) Abu Dayyeh BK, Maselli DB, Rapaka B, Lavin T, Noar M, **Hussan H**, Chapman CG, Popov V, Jirapinyo P, Acosta A, Vargas EJ, Storm AC, Bazerbach F, Ryou M, French M, Noria S, Molina D, Thompson CC. *Lancet.* 2021 Nov 27;398(10315):1965-1973. doi: 10.1016/S0140-6736(21)02394-1. Epub 2021 Nov 15. Erratum in: *Lancet.* 2021 Nov 27;398(10315):1964. PMID: 34793746.

Special message to TREC community from author Dr. Hussan (TREC Fellow 2018),

"This is a multicenter paper investigating the efficacy of adjustable intragastric balloons for weight loss. This paper was published in *Lancet*. Bottom line: We report an impressive 15% total weight loss with improved safety and tolerance of the balloons.

This weight loss method can be of relevance for cancer prevention. All my best, Hisham”

[Dietary Intake Energy Expenditure in Breast Cancer Survivors: A Review](#). Purcell SA, Marker RJ, Cornier MA, Melanson EL. *Nutrients*. 2021 Sep 27;13(10):3394. doi: 10.3390/nu13103394. PMID: 34684403; PMCID: PMC8540510.

[Physical Activity: A Systematic Review to Inform Nurse Recommendations During Treatment for Colorectal Cancer](#). Hirschey R, Nance J, Hoover R, Triglianos T, Coffman E, Horrell LN, Walker J, Leak Bryant A, Valle C. *Clin J Oncol Nurs*. 2021 Dec 1;25(6):697-705. doi: 10.1188/21.CJON.697-705. PMID: 34800098.

[Effectiveness of a Home-Based Exercise Intervention in the Fitness Profile of Hispanic Survivors of Breast Cancer](#). Ortiz A, Hughes DC, Mama SK, Tirado-Gomez M, Liao Y, Song J, Gonzalez V, Basen-Engquist K. *Rehabil Oncol*. 2021 Oct;39(4):175-183. doi: 10.1097/01.reo.0000000000000253. Epub 2021 Mar 3. PMID: 34712520; PMCID: PMC8547191.

[Effectiveness of Physical Activity Interventions among Rural Cancer Survivors: A Systematic Review and Meta-Analysis](#). Mama SK, Lopez-Olivo MA, Bhuiyan N, Leach HJ. *Cancer Epidemiol Biomarkers Prev*. 2021 Dec;30(12):2143-2153. doi: 10.1158/1055-9965.EPI-21-0871. Epub 2021 Oct 7. PMID: 34620628; PMCID: PMC8643319.

[A comprehensive review of the impact of obesity on plasma cell disorders](#). Parikh R, Tariq SM, Marinac CR, Shah UA. *Leukemia*. 2021 Oct 15. doi: 10.1038/s41375-021-01443-7. Epub ahead of print. PMID: 34654885.

[Diabetes mellitus and risk of plasma cell and lymphoproliferative disorders in 94,579 cases and 368,348 matched controls](#). Shah UA, Rognvaldsson S, Derkach A, Björkholm M, Turesson I, David Y, Hultcrantz M, Tan C, Hassoun H, Korde N, Lesokhin A, Mailankody S, Kristinsson SY, Landgren CO. *Haematologica*. 2021 Sep 2. doi: 10.3324/haematol.2021.278772. Epub ahead of print. PMID: 34474548.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Lenat Joffe, MD, MS, 2019 TREC Fellow, has accepted a new position as the Medical Director of the Pediatric Cancer Survivorship Program - Survivors Facing Forward - at Cohen Children's Medical Center, Northwell Health. This is a fantastic opportunity to lead and grow the clinical and research endeavors of the program. Lenat will also be working closely with TREC Faculty member, Dr. Catherine Alfano! Lenat's appointment at Northwell Health will take effect in January; the TREC Roster will be updated with her new email address at that time. *Congrats on your way cool new appointment, Lenat!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 3 (Academic year 2021-2022)

Our current series is well under-way – they have been fantastic! The remaining webinars for this series are listed below – Save the Dates!

- January 26, 2022 – 1-2pm Eastern: Diane Ehlers (2018) and Annie Newell-Fugate (2020)
- March 23, 2022 – 1-2pm Eastern: Gwendolyn Thomas (2020) and Urvi Shah (2021)

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission). The TREC membership will be notified when the webinar recordings are available.

Speaking of webinar recordings: Did you miss any of the prior webinars or want to watch them again? The recordings are now up on the TREC members website: TRECTraining.yale.edu – members login: TREC / TREC1234 (please do not share members log-in with non-members – thank you!

NCI Webinar: Accelerating the Development of Pediatric Physical Activity Interventions

This webinar occurred on December 6 (so has passed) however if you are interested in watching a recording it will be posted by December 27, 2021 to the cancer.control.gov/behavioral research program website, [here](#). The purpose of this webinar was to describe pediatric physical activity research across the translational research continuum, and to discuss opportunities for accelerating the application of pediatric physical activity from bench to bedside to communities. The speaker panel included TREC Faculty **Dr. Nina Kadan-Lottick**.

NCI Webinar: Strength, Weaknesses, and Reproducibility in Nutritional Randomized Clinical Trials (RTC) and Epidemiological Studies – December 10, 11am – 1pm EST

The NCI invites you to a virtual presentation with a goal to identify and discuss factors that can influence the reproducibility of results between epidemiological studies and nutritional interventions, identify gaps in knowledge, technical hurdles, and develop new approaches for the development of novel nutrition prevention strategies. The speakers' presentations will be followed by a 30 minute panel discussion. The webinar will cover:

1. Potential benefit of nutritional interventions
2. Reasons for variability in response
3. Difficulties in reproducibility

[Registration required.](#)

ASPO Annual Meeting 2022 – In Person (tentative) – March 13-15, 2022, Tucson, AZ

Theme: "Towards Achieving Health Equity"

[Meeting overview and to register](#)

Call for Abstracts - closed

Society of Behavioral Medicine Annual meeting & Scientific Sessions – IN PERSON – April 6-9, 2022, Baltimore, Maryland*

43rd Annual SBM meeting will be held in Baltimore. Meeting theme, "The Urgency of Adaptation" was inspired by the opportunities for behavioral medicine to increase its impact while our world confronts three public health tragedies: the climate crisis, systemic racism, and the COVID-19 pandemic. [Meeting registration is here.](#)

*with the ongoing pandemic and rapidly evolving public health guidance, SBM is monitoring events closely and will adjust meeting plans as needed to ensure safety.

AACR Annual Meeting 2022 – In Person – April 8-13, 2022, New Orleans, LA

Theme: "Decoding Cancer Complexity, Integrating Science, Transforming Patient Outcomes."

[Meeting overview and to register](#)

[Call for Abstracts:](#) late breaking and clinical trials abstracts due Jan 10

American Society for Nutrition (ASN) Flagship Annual Meeting - Virtual: Nutrition Live Online – June 14-16, 2022

The American Society for Nutrition welcomes the presentation of original research at Nutrition 2022 Live Online. Over 1,300 abstracts were presented at the 2021 on-line meeting event.

[Call for Abstracts](#) – due February 14, 2022

[Nutrition Online 2022](#) – subscribe to ASN Newsletter and check back for registration link to Nutrition 2022 Meetings

Other Opportunities and Items of Interest

NCI Launches Early Investigator Advancement Program – Accepting Applications until December 31, 2021

With the support of the Equity Council, NCI is launching the [Early Investigator Advancement Program \(EIAP\)](#) to facilitate the advancement of scientists from diverse backgrounds to become independent investigators.

The cancer research enterprise needs a continuous flow of talent through the research career pipeline to thrive. One critical juncture is the transition from junior investigator to independent investigator. Each year, EIAP will support the professional and career development of a cohort of eligible and qualified Early Stage Investigators and New Investigators from institutions across the country.



The EIAP aims to:

- Enhance professional skills;
- Guide preparation of an R01 grant application;
- Provide access to a mentoring and peer network; and
- Grow a community of emerging independent investigators from diverse backgrounds.

Applications to the EIAP must be submitted by December 31, 2021. The target start date will be March 1, 2022. The EIAP will hold a **pre-application webinar on December 9, 2021, from 4:00-5:00 pm Eastern.** Potential applicants should visit the [EIAP webpage](#) for information about eligibility, application instructions, and the webinar link, which will be available very soon.

NCI values diversity and particularly encourages applicants from populations underrepresented in the biomedical sciences, as noted in the NIH's Notice of Interest in Diversity ([NOT-OD-20-031](#)).

Contact: Dr. Alison Lin, EIAP@nih.gov

Call for Papers – Special Issue “The Role of Lifestyle-Related Factors in Cancer Survivorship” – see invitation from **Alina Vrieling** (TREC Fellow 2021) and **Renate Winkels** (TREC Fellow 2018):

Dear TREC Colleagues,

We are guest editors of a special issue titled “The Role of Lifestyle-Related Factors in Cancer Survivorship” in the journal *Cancers*. This is an open access journal that is indexed in PubMed and received a 2020 impact factor of 6.639. The link to the call for papers is https://www.mdpi.com/journal/cancers/special_issues/cancer_survivorship_lifestyle. Deadline for manuscript submissions is **15 January 2022**. If you are preparing papers related to this topic, please keep this special issue in mind. If you have any questions, please don't hesitate to email us: alina.vrieling@radboudumc.nl or renate.winkels@wur.nl.

Thank you,
Alina and Renate

Implementation Science Training Opportunities - from our esteemed Dr. Graham Colditz (TREC Faculty and SAB member emeritus).

- [Institute for Implementation Science Scholars](#) at Washington University in St. Louis
- [NIH-Training Institute for Dissemination and Implementation Research in Cancer \(TIDIRC\)](#) – Open Access Course

NIH resources to improve recruitment of underserved participants into cancer studies – Drs. Sharon Ross, Tanya Agurs-Collins, and Linda Nebeling have provided the following information

Center to Reduce Cancer Health Disparities (CRCHD) -<https://www.cancer.gov/about-nci/organization/crchd> - has a Diversity Training Branch to fund students and investigators from diverse populations in cancer health disparities research. CRCHD link focused on training <https://www.cancer.gov/about-nci/organization/crchd/diversity>

[training/icure](#). These training programs require participation in educational sessions that may cover recruitment and retention.

The Division of Cancer Prevention has developed the Accrual Quality Improvement Program (AQUIP), not diversity specific but addresses recruitment in cancer patients, see <https://www.dcpaquip.com/Default.aspx>

The following NOSI may also be of interest, “Notice of Special Interest: National Cancer Institute Administrative Supplement Opportunity for Strategies to Optimize Recruitment and Retention of Cancer Prevention and Symptom Management Clinical Trial Participants,” <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-21-070.html>

Funding Opportunities

National Cancer Institute: Notice to Reissue PAR-19-277 – Exploratory Grants in Cancer Control (R21 Clinical Trial Optional): PAR-21-341.

This FOA from NCI encourages the submission of exploratory/developmental research grant (R21) applications that focus on different aspects of cancer control by modifying behavior, screening, and understanding etiologic factors contributing to the development of cancer, and developing ways to control cancer. The overarching goal is to provide support to promote the early and conceptual stages of research efforts on novel scientific ideas that have the potential to substantially advance population-based cancer research, such as the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of cancer research (e.g., epidemiologic, biomedical, behavioral, health care delivery, or clinical).

NCI, Division of Cancer control and Population Sciences – Notice of Special Interest NOT-CA-21-108: Dietary, Physical Activity, Sedentary Behavior and Sleep Assessment methodologies Among Infants and Young Children (birth to 5 years) through Adults.

This Notice of Special Interest (NOSI) invites investigator-initiated applications addressing approaches that improve the measurement of diet, physical activity, sedentary behavior, and sleep and their environmental influences through the development of improved methods, and/or integration of measurements across multiple behaviors.

Applications that explore and optimize innovative combinations of instruments across these behaviors are encouraged, as are efforts to develop combined measures of perceived and objective or physical features of the physical environments in which they occur. Studies addressing infants and young children (birth to 5 years) and individuals from underserved subgroups are especially encouraged, although all populations are eligible for study under this notice.

The National Cancer Institute is interested in applications addressing the development of improved instruments (device-based and self-report) across the cancer continuum.

Questions? Kirsten Herrick, PhD, MSc, email: kirsten.herrick@nih.gov

AACR Grants for Fellows and Junior Faculty – AACR has announced the following funding opportunities:

- Basic cancer research and CORE fellowships
- Career development awards for:
 - Females and underrepresented ethnic or racial groups in pancreatic cancer research
 - Gastric cancer research
 - Physician-scientists conducting translational or clinical cancer research
 - Grants for mid-career female investigators
- [Learn more and apply here](#)

Career Opportunities

Research Scientist Position – Dieli-Conwright Laboratory at Dana-Farber Cancer Institute, Boston, MA

Christina Dieli-Conwright (TREC Fellow 2017) is seeking a research scientist in her lab and Dana-Farber. This laboratory examines mechanisms by which post-diagnosis exercise can impact cancer outcomes with a specific focus on biomarkers

related to body composition, inflammation, metabolic dysregulation, and cognition. The position is for a Research Scientist in exercise oncology clinical trial investigations. Applications will be reviewed as received so applicants are encouraged to apply as soon as possible. Appointments are for one year, with the possibility of renewal. Candidates should hold a doctoral degree in exercise science/kinesiology, epidemiology, molecular biology, public health, or related fields. Multidisciplinary training and experience in multiple of these fields, as well as minimum of one year of postdoctoral training are desirable.

Interested candidates should submit an electronic copy of the curriculum vitae, plus a cover letter describing their research experience and research to Christina Dieli-Conwright via email: ChristinaM.Dieli-Conwright@DFCI.Harvard.edu.

Faculty Position – Cancer Prevention and Control and Cancer Survivorship - Rutgers Cancer Institute of New Jersey

A tenure-track faculty position is currently open for recruitment for a population scientist in cancer preventions and control/survivorship in the Department of Behavioral Sciences at CINJ. Position is open until filled. Find details and application instructions [here](#).

Faculty Positions - multiple– San Diego State University (SDSU) Faculty Unified Towards Excellence in Research and Transformational Engagement (FUERTE).

TREC Fellow Dr. Carrie House would like to draw your attention to the following positions at her institution:

- **[Cluster hire](#) of 9 diverse, tenure-track faculty** with expertise in one of the following three core research areas: Cancer Disparities, Obesity/Physical Activity Nutrition Sciences, or Environmental Health.
- **SDSU FUERTE was funded by the National Institutes of Health FIRST program (NIH Award: U54CA267789) and will provide structured faculty development and research training** to assist faculty to thrive and advance in academia and achieve success as independent researchers at SDSU. Detailed descriptions within each Core research area follow:
 - [Environmental Health](#)
 - [Cancer Disparities](#)
 - [Obesity/Physical Activity/Nutrition Sciences](#)

Postdoc Position – Cancer Control Education Program – UNC Lineberger Comprehensive Cancer Center

UNC Lineberger CCEP Program is currently recruiting for 2022-2023. They expect to have at least one postdoctoral spot available. The deadline for submitted applications is January 15, 2022. All of the application information can be found on the [CCEP website](#).

Prospective Graduate Student Position – University of Nebraska medical Center, Department of Neurological Sciences

TREC Fellow Dr. Diane Ehlers, Director of The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences, is seeking prospective graduate students to conduct research with Dr. Diane Ehlers (<https://www.unmc.edu/neurologicalsciences/about/faculty/ehlers.html>). ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in cancer survivors. If you know of a graduate student who may be interested, please have them email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include CV in this email.

Staff Postings from Dr. Ian Kleckner at University of Maryland, Baltimore – please share with those you know

Dr. Kleckner (TREC Fellow 2018) is Director of the [Cancer Control Mind and Body Lab](#) and Associate Professor at the University of Maryland, Baltimore. He is hiring an MRI Data Analyst (BS or MS or PhD) and two Exercise Physiologists and/or Clinical Research Coordinators to work on clinical trials studying exercise in patients with cancer, looking at chemotherapy induced peripheral neuropathy. The jobs are with Ian at University of Maryland Baltimore under his mentorship. Please send referrals to Dr. Kleckner at ian.kleckner@umaryland.edu.

Faculty Positions (multiple, tenured, tenure-track, non-tenure-earning) – O’Neal Comprehensive Cancer Center, University of Alabama at Birmingham

This is a major recruitment opportunity for **multiple positions, up to 10 across a broad array of cancer research including obesity and metabolism in cancer**. Open until filled. [See posting and application instructions here](#).

Comment from Dr. Wendy Demark-Wahnefried, “UAB is recruiting in a big way and obesity and metabolism is a priority area for our cancer center – so all TREC fellows are encouraged to apply and if they would like to know more, please contact me – demark@uab.edu.”

Faculty Position (Open-rank, tenure track) -- Department of Health Outcomes and Behavior at Moffitt Cancer Center, Tampa, FL
TREC Fellow (2019) **Dr. Nate Parker** would like to inform the TREC community of this position. Details and to apply are [here](#).

National Cancer Institute – Fellowship in Diet, Physical Activity, Sleep and/or Weight Assessment. Rockville, MD

The Epidemiology and Genomics Research Program, Division of Cancer Control and Population sciences, National Cancer Institute has an opening for a Cancer Research Training Award (CRTA) Fellow for diet, physical activity, sleep, and/or weight assessment. View the full position description, requirements, and application instructions [here](#).

National Cancer Institute – Health Communication Fellowship in Behavioral Research. Rockville, MD

NCI is still seeking applications from qualified candidates for a Cancer Research Training Award (CRTA) fellowship in applied health communication in the Behavioral Research Program. The program initiates, supports, and evaluates a comprehensive program of research to increase the breadth, depth, and quality of behavioral research in cancer prevention and control. [Check it out and apply today!](#)

T32 Post-doctoral Fellowship Opportunity, Georgetown University Lombardi Comprehensive Cancer Center, Washington DC

Bringing to your attention from **Dr. Nina Kadan-Lottick** who recommends that TREC fellows with our focus on cancer energetics would be a great fit with collaborators, resources, and mentors at Georgetown Lombardi Cancer Center:

The Cancer Population Science (CPaS) program at Georgetown Lombardi Comprehensive Cancer Center (GLCCC) is a **T32 training program supported by the National Cancer Institute (NCI)**. The CPaS program focuses on preparing trainees for independent research careers with a focus on translating basic and clinical advances into the clinic, community and policy. Translational research training is grounded in core competencies of **team science, utilization of novel methods and technologies, applying multilevel approaches, knowledge integration to inform policies and care, and addressing health disparities**. [Learn more and apply here](#).

Research Associate I or II – PATP Lab, Department of Health and Exercise Science at Colorado State University, Fort Collins, CO

Full-time research associate, to assist with a newly awarded federal grant in the [Physical Activity for Treatment and Prevention Lab \(PATP\)](#). The ideal individual is energetic, motivated, committed to the study goals, demonstrates strong work ethic and the ability to work collaboratively in a team environment. Top candidates will have prior experience with community engaged research, data management using RedCap, as well as exceptional communication and organizational skills. The research associate will be responsible for daily management of the study, supervise data collection and data management, oversee research assistants, participant recruitment and retention, liaise with community partners, track study expenditures, and prepare IRB documents and reports to the funding agency. The position is funded for up to 5 years. Specific qualifications and more information about the position and other application details can be found [here](#).

TREC Connects! Volume 3, Issue 5 (December 2021)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your periodic newsletter from the TREC Training Program

Volume 4, Issue 1. June 2022

Greetings!

Dear TREC Faculty and Fellows and Friends,

We hope that you are continuing to stay healthy and safe. We are excited to next week enter another TREC-week – this time in person finally after having been on Zoom the last two cohort years! We have finalized the agenda for this year's Workshop which now is just ahead (June 19-24) and are looking forward to meeting our **twenty-seven amazing 2022 TREC Fellows** as well as finally meeting in person most of our 2020 and 2022 fellows who we could only meet on Zoom the last two years. We've made some exciting changes to the TREC-week agenda this year, based on former Fellows' feedback, so even six years in it will be refreshed and fun! We thank all 2022 participants and look forward to learning from you. Stay safe, be well, and see many of you very soon!

We feel such immense gratitude for YOU – our entire TREC community – and a **warm welcome to our 2022 Fellows!!!**

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PIs: Justin Brown, PhD, Bette Caan, PhD, and Jeffrey Meyerhardt, MD. 2018 TREC Fellow (Dr. Brown), and TREC Faculty

Title: Adaptive Randomization of Aerobic Exercise During Chemotherapy in Colon Cancer

Mechanism: U01, National Cancer Institute

PIs: Tracy Crane, PhD, and Melinda Irwin, PhD. 2019 TREC Fellow (Dr. Crane), and TREC PI (Dr. Irwin)

Title: Trial of Exercise and Lifestyle (TEAL) in Women with Ovarian Cancer

Mechanism: U01, National Cancer Institute

PIs: Kathryn Schmitz, PhD, Jennifer Ligibel, MD, and Nathan Berger, MD. TREC Faculty and SAB members

Title: TeleHealth Resistance exercise intervention to preserve dose intensity and Vitality in Elder breast cancer patients (THRIVE)

Mechanism: U01, National Cancer Institute

PI: Elizabeth Salerno, PhD MPH. 2019 TREC Fellow

Title: Characterizing mental and cognitive health and physical activity in the perioperative breast cancer setting

Mechanism: Washington University Center for Perioperative Mental Health (P50 MH122351) R03 Pilot Project

Dr. Salerno says, "I'm fortunate to collaborate with another TREC fellow on this project, Dr. Lindsay Peterson (TREC 2017). We hope findings from this study will provide key insights into the dynamic and interrelated changes in physical activity, cognition, and mental health to inform the delivery of a healthcare-integrated physical activity intervention during breast cancer treatment."

PI: Kathleen Porter, PhD, RD. 2019 TREC Fellow

Title: weSurvive: Improving quality of life of rural cancer survivors

Mechanism: American Cancer Society, Research Scholars Grant

PI: Tarah Ballinger, MD. 2020 TREC Fellow

Title: Impact of exercise in metastatic breast cancer survivors

Mechanism: Susan G. Komen Career Catalyst Award

Tarah says, "Dr. Jennifer Ligibel is my mentor on this study and it results directly and completely from TREC!"

PI: Deepa Sathyaseelan, PhD. 2021 TREC Fellow

Title: Role of necroptosis in inflammation and NAFLD to HCC progression

Mechanism: R03, National Cancer Institute

PI: Lin Yang, PhD. 2020 TREC Fellow

Title: Making Healthy Behaviour Changes Easy: AI-Enabled Dialogue-Driven App for Personalized Cancer Prevention –Risk Dialogue

Mechanism: Canadian Cancer Society Action Grants. This is a proof-of-concept grant focused on interventions in primary cancer prevention and our funded project targets reducing sedentariness as its first step.

PI: Carmina Valle, PhD. 2019 TREC Fellow

Title: A micro-randomized trial of JITAI messaging to improve adherence to multiple weight loss behaviors in young adults

Mechanism: R01, National Heart, Lung, and Blood Institute

PIs: Adam Melvin, PhD and Liz Martin, PhD. TREC Fellows 2020 and 2021

Title: Evaluating How Fluid Shear Stress Alters Estrogen Receptor Phenotype in Metastatic Breast Cancer

Mechanism: R03, National Cancer Institute

PI: Aman Wadhwa, MD. 2021 TREC Fellow

Two awards!!!

Title: Pre-BMT body composition and adverse outcomes post-transplant

Mechanism: Emerging Scientist Award through the Children's Cancer Research Fund

Title: Body composition and adverse outcomes in pediatric Hodgkin's lymphoma (directly stemming from my TREC Application)

Mechanism: Pilot Accelerator Award through the St. Baldrick's Foundation/American Cancer Society

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Metabolic Biomarkers Assessed with PET/CT Predict Sex-Specific Longitudinal Outcomes in Patients with Diffuse Large B-Cell Lymphoma.](#) Jaswal S, Sanders V, Pullarkat P, Teja S, Salter A, Watkins MP, Atagu N, Ludwig DR, Mhlanga J, Mellnick VM, Peterson LR, Bartlett NL, Kahl BS, Fehniger TA, Ghobadi A, Cashen AF, Mehta-Shah N, **Ippolito JE.** *Cancers.* 2022; 14(12):2932. <https://doi.org/10.3390/cancers14122932>

[Exercise Across the Cancer Care Continuum: Why It Matters, How to Implement It, and Motivating Patients to Move.](#) **Coletta AM, Basen-Engquist KM, Schmitz KH.** *Am Soc Clin Oncol Educ Book.* 2022 Apr;42:1-7. doi: 10.1200/EDBK_349635. PMID: 35394822.

[Skeletal muscle proteome expression differentiates severity of cancer cachexia in mice and identifies loss of fragile X mental retardation syndrome-related protein 1.](#) **Khamoui AV,** Tokmina-Roszyk D, Feresin RG, Fields GB, Visavadiya NP. *Proteomics.* 2022 May;22(10):e2100157. doi: 10.1002/pmic.202100157. Epub 2022 Mar 22. PMID: 35289490.

[Obesity-induced galectin-9 is a therapeutic target in B-cell acute lymphoblastic leukemia.](#) Lee M, Hamilton JAG, Talekar GR, Ross AJ, Michael L, Rupji M, Dwivedi B, Raikar SS, Boss J, Scharer CD, Graham DK, DeRyckere D, Porter CC, **Henry CJ.** *Nat Commun.* 2022 Mar 3;13(1):1157. doi: 10.1038/s41467-022-28839-y. PMID: 35241678; PMCID: PMC8894417.

[Protocol for a pilot randomized controlled trial of a mobile health exercise intervention for older patients with myeloid neoplasms \(GO-EXCAP 2\).](#) **Loh KP,** Sanapala C, Janelins M, Klepin HD, Schnall R, Culakova E, Sohn MB, Vertino P, Susiarjo M, Jensen-Battaglia M, Becker MW, Liesveld J, Mendler JH, Huselton E, Lin PJ, Mustian K. *J Geriatr Oncol.* 2022 May;13(4):545-553. doi: 10.1016/j.jgo.2021.12.011. Epub 2021 Dec 21. PMID: 34949540; PMCID: PMC9058183.

[Physical activity and diet quality in relation to non-alcoholic fatty liver disease: A cross-sectional study in a representative sample of U.S. adults using NHANES 2017-2018.](#) **Heredia NI**, Zhang X, Balakrishnan M, Daniel CR, Hwang JP, **McNeill LH**, Thrift AP. Prev Med. 2022 Jan;154:106903. doi: 10.1016/j.ypmed.2021.106903. Epub 2021 Dec 1. PMID: 34861339; PMCID: PMC8724407.

[Estimated Number of Deaths Prevented Through Increased Physical Activity Among US Adults.](#) **Saint-Maurice PF**, Graubard BI, Troiano RP, Berrigan D, Galuska DA, Fulton JE, Matthews CE. JAMA Intern Med. 2022 Mar 1;182(3):349-352. doi: 10.1001/jamainternmed.2021.7755. PMID: 35072698; PMCID: PMC8787676.

[A Low-Glucose Eating Pattern Improves Biomarkers of Postmenopausal Breast Cancer Risk: An Exploratory Secondary Analysis of a Randomized Feasibility Trial.](#) **Schembre SM**, Jospe MR, **Giles ED**, **Sears DD**, **Liao Y**, **Basen-Engquist KM**, **Thomson CA**. Nutrients. 2021 Dec 16;13(12):4508. doi: 10.3390/nu13124508.

[Hunger Training as a self-regulation strategy in a comprehensive weight loss program for breast cancer prevention: a randomized feasibility study.](#)

Schembre SM, Jospe MR, Bedrick EJ, Li L, Brewster AM, Levy E, Dirba DD, Campbell M, Taylor RW, Basen-Engquist KM. Cancer Prev Res (Phila). 2021 Dec 9;canprevres.0298.2021. doi: 10.1158/1940-6207.CAPR-21-0298.

[The association between time-of-day of habitual exercise training and changes in relevant cancer health outcomes among cancer survivors.](#) **Coletta AM**, **Playdon MC**, Baron KG, Wei M, Kelley K, Vaklavas C, Beck A, Buys SS, Chipman J, Ulrich CM, Walker D, White S, Oza S, Zingg RW, Hansen PA. PLoS One. 2021 Oct 12;16(10):e0258135. doi: 10.1371/journal.pone.0258135. PMID: 34637457; PMCID: PMC8509995.

[Association of Daily Sitting Time and Leisure-Time Physical Activity with Survival Among US Cancer Survivors.](#) Cao C, Friedenreich CM, **Yang L**. JAMA Oncol. 2022 Mar 1;8(3):395-403. doi: 10.1001/jamaoncol.2021.6590. PMID: 34989765; PMCID: PMC8739832.

[Association between body composition and chemotherapy-related toxicity in children with lymphoma and rhabdomyosarcoma.](#) **Wadhwa A**, Adams KM, Dai C, Richman JS, McDonald AM, **Williams GR**, Bhatia S. Cancer. 2022 Mar 15;128(6):1302-1311. doi: 10.1002/cncr.34043. Epub 2021 Nov 30. PMID: 34847257.

[Implementation of Physical Activity Programs for Rural Cancer Survivors: Challenges and Opportunities.](#) Hirko KA, Dorn JM, Dearing JW, Alfano CM, Wigton A, Schmitz KH. Int J Environ Res Public Health. 2021 Dec 7;18(24):12909. doi: 10.3390/ijerph182412909. PMID: 34948517; PMCID: PMC8702182.

Special message to TREC community from first author Dr. Hirko (TREC Fellow 2020),

"This publication represents pilot work initiated through my TREC aims, and co-authors include my TREC mentor (Catherine Alfano) along with Kathryn Schmitz who I met during the TREC training."

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

Diane Ehlers, PhD, 2018 TREC Fellow, will soon be moving to a new position at the Mayo Clinic in Phoenix, Arizona! Diane's last day at University of Nebraska is June 30 and she will start at Mayo on July 18. We will be sure to share Diane's mayo.edu email address as soon as she has it! *Thanks for sharing this news, Diane, and congrats on the new position!*

Dorothy Sears, PhD, TREC Faculty and SAB member, has been appointed Interim Executive Director of Clinical and Community Translational Science at Arizona State University, College of Health Solutions. *Kudos to you, Dorothy – they made a great choice!*

Rachel Hirschey, PhD, RN, 2021 TREC Fellow, has been selected for the 2022 Society of Behavioral Medicine Diversity Leadership Institute. *Wow, Rachel, that is wonderful – congrats!*

Ting-Yuan (David) Cheng, PhD, 2017 TREC Fellow, has accepted a faculty position as Associate Professor in the Division of Cancer Prevention and Control at The Ohio State University. David's new email address is: cheng.1906@osu.edu. *Congrats, David!*

Nora Springer, DVM, PhD, 2019 TREC Fellow, has relocated to the University of Tennessee, Knoxville as an Assistant Professor of Clinical Pathology in the Department of Biomedical and Diagnostic Sciences. Dr. Springer says, "Now that I'm back to having a significant research appointment, I am eager to re-engage with the TREC Community!" *Terrific, Nora – that is great news!*

Rishi Jain, MD, 2019 TREC Fellow, earlier this year accepted an industry position with Merck as a clinical director for colorectal cancer drug development. Dr. Jain says, "It was a really great opportunity for me to focus on clinical trials and research. I do plan to continue to focus on diet/nutrition/energetics related research in the future and feel that there could be unique opportunities to study these factors within the context of large, randomized trials in an industry setting." *Super excited for you, Rishi – congrats!*

Sarah Purcell, MSc, PhD, 2021 TREC Fellow, has been appointed as Assistant Professor of Nutrition at the University of British Columbia, Okanagan Campus, and Faculty of Science in the Center for Chronic Disease Prevention and Management. Sarah has hence relocated to UBC and her new email address there is sarah.purcell@ubc.ca. *Way to go, Sarah!*

Tarah Ballinger, MD, 2020 TREC Fellow, was recently appointed the Associate Director of Supportive Oncology and Vera Bradley Foundation Scholar in Breast Cancer Research at Indiana University. *Wow – that's phenomenal, Tarah, congratulations!*

Susan Schembre, PhD, 2018 TREC Fellow, who earlier this year accepted a faculty position at the Georgetown Lombardi Comprehensive Cancer Center! Susan can be reached at ss4731@georgetown.edu. *Congrats on your faculty appointment, Susan!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 4 (Academic year 2022-2023)

Our next webinar series will be for the 2022-2023 academic year and will kick off on September 28, 2020. All TREC fellows past and present are invited to present! The call for speakers went out earlier this Spring -- we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org.

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission).

Speaking of webinar recordings: Did you miss any of the prior webinars or want to watch them again? Prior recordings are up on the TREC members website: TRECTraining.yale.edu – members login: TREC / TREC1234. **Please do not share members log-in with non-members – thank you!**

TREC Connects! Volume 4, Issue 1 (June 2022)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop: TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your periodic newsletter from the TREC Training Program

Volume 4, Issue 2. October 2022

Greetings!

Dear TREC Faculty and Fellows and Friends,

We hope that you are enjoying the Fall and approaching holiday season! We are excited to share this next edition of our *TREC Connects Newsletter!*

Among the highlights:

7th Annual TREC Training Workshop: The 2023 TREC Workshop will be held again next year at Water's Edge Resort in Connecticut, June 26-30. **SAVE THE DATES**

We are full swing with recruitment for TREC-2023 applications! The RFA/advertising blitz was launched this month, and Letters of Intent are beginning to roll in! Those are due December 15, applications due January 15. Thank you for YOUR help getting the word out!

JNCI Monograph on Energy Balance and Cancer. The TREC inspired JNCI monograph has been submitted thanks to the hard work of many of you in our TREC community! As you might recall, a few months ago we solicited paper topics from all TREC Faculty and Fellows from the first 6 fellowship cohorts. We received 24 paper topics and working groups were formed to do original analyses or systematic review or other manuscripts for submission to JNCI for a special monograph that Dr. Irwin is guest editing along with Drs. Jennifer and Dorothy Sears. We also decided to open the JNCI monograph submission to other investigators in the field but asked that they collaborate with a TREC fellow.

We are delighted to report that we had 14 submissions to JNCI for our special monograph on energy balance and cancer that will be published in about 5 months. Drs. Irwin, Ligibel and Sears are now busy acting as guest editors and assigning reviewers for each paper, which will then be peer reviewed.

We are so excited for this monograph; in a quick review of the various paper topics of the 14 submissions, there are some basic science, some clinical and some pop sci papers and some across the translational spectrum. A variety of topics and cancer types are covered – a truly transdisciplinary and translational endeavor!

We look forward to sharing more info with you in the coming weeks. Thank you!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: David O. Garcia, PhD, FACS. 2022 TREC Fellow

Has received the prestigious National Institute on Minority Health and Health Disparities (NIMHD) Early Career Investigator Award! Recipients of this award are recognized as having made significant contributions to the field as evidenced by innovativeness and impact of research and peer-reviewed publications. *Congratulations, David!*

PI: Mary Playdon, PhD, MPH, 2019 TREC Fellow

Title: Ceramides as novel drivers of metabolic dysfunction and colorectal cancer

Mechanism: U01, National Cancer Institute

Per Dr. Playdon, "Specifically, we are investigating ceramide metabolism as a core pathway in the metabolic dysregulation underlying the obesity/colorectal cancer relationship. It involves multi-cohort metabolomics, genetic epidemiology, building a bariatric surgery cohort to study the pathway in blood and adipose tissue, and animal studies."

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Adipocyte-mediated epigenomic instability in human T-ALL cells is cytotoxic and phenocopied by epigenetic-modifying drugs.](#) Lee M, Geitgey DK, Hamilton JAG, Boss JM, Scharer CD, Spangle JM, Haynes KA, **Henry CJ**. *Front Cell Dev Biol*. 2022 Aug 19;10:909557. doi: 10.3389/fcell.2022.909557. PMID: 36060800; PMCID: PMC9438935.

[Independent and joint associations of weightlifting and aerobic activity with all-cause, cardiovascular disease and cancer mortality in the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial.](#) **Gorzeltz J**, Trabert B, Katki HA, Moore SC, Watts EL, Matthews CE. *Br J Sports Med*. 2022 Nov;56(22):1277-1283. doi: 10.1136/bjsports-2021-105315. Epub 2022 Sep 27. PMID: 36167669.

[Association of Leisure Time Physical Activity Types and Risks of All-Cause, Cardiovascular, and Cancer Mortality Among Older Adults.](#) Watts EL, Matthews CE, Freeman JR, **Gorzeltz JS**, Hong HG, Liao LM, McClain KM, Saint-Maurice PF, Shiroma EJ, Moore SC. *JAMA Netw Open*. 2022 Aug 1;5(8):e2228510. doi: 10.1001/jamanetworkopen.2022.28510. PMID: 36001316; PMCID: PMC9403775.

[Program Barriers and Facilitators in Virtual Cancer Exercise Implementation: A Qualitative Analysis.](#) **Gorzeltz JS**, Bouji N, Stout NL. *Transl J Am Coll Sports Med*. 2022 Summer;7(3):e000199. doi: 10.1249/tjx.0000000000000199. Epub 2022 May 6. PMID: 35601444; PMCID: PMC9119660.

[Adjustable intragastric balloon for treatment of obesity: a multicentre, open-label, randomised clinical trial.](#) Abu Dayyeh BK, Maselli DB, Rapaka B, Lavin T, Noar M, **Hussan H**, Chapman CG, Popov V, Jirapinyo P, Acosta A, Vargas EJ, Storm AC, Bazerbachi F, Ryou M, French M, Noria S, Molina D, Thompson CC. *Lancet*. 2021 Nov 27;398(10315):1965-1973. doi: 10.1016/S0140-6736(21)02394-1. Epub 2021 Nov 15. Erratum in: *Lancet*. 2021 Nov 27;398(10315):1964. PMID: 34793746.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:
(all updated email addresses will be published in next TREC Directory (on members' website))

Diane Ehlers, PhD, 2018 TREC Fellow, has relocated to the Mayo Clinic/Arizona, where she is serving as Senior Associate Consultant in the Department of Quantitative Health Sciences, Division of Epidemiology. Diane retains her adjunct position with the University of Nebraska, and the best email to use for her now is Ehlers.Diane@mayo.edu. *Well done, Diane!*

Miriam Garcia, DO, 2017 TREC Fellow, has relocated back to MD Anderson Cancer Center where she is serving as an Assistant Professor of Pediatric Leukemia and Lymphoma. Miriam's new email address is MBGarcia@mdanderson.org. *Congrats, Miriam!*

Erin Giles, PhD, 2018 TREC Fellow, is now an Assistant Professor in Movement Science in the School of Kinesiology at the University of Michigan. Check out her [Exercise Oncology Lab](#) and feel free to reach out to her at eringile@umich.edu. *Kudos to you, Erin!*

Jessica Gorzeltz, PhD, MS, 2022 TREC Fellow, has been appointed as an Assistant Professor and relocated to the University of Iowa, Department of Health and Human Physiology where she is leading the [Physical Activity and Cancer Survivorship \(PACS\)](#)

Laboratory! Dr. Gorzelitz's new email address is jessica-gorzelitz@uiowa.edu. *Welcome to the land of the Hawkeye's Jess, and congrats!*

Hisham Hussan, MD, 2018 TREC Fellow, has transitioned to University of California at Davis where he will be supported with research effort to help his work on obesity/bariatric surgery and colorectal cancer research. Dr. Hussan's new email address is hhussan@ucdavis.edu. *Congratulations, Hisham!*

Melissa Markofski, PhD, 2021 TREC Fellow, has been tenured and promoted to Associate Professor at the University of Houston! *WOW, that is fantastic, Melissa, congratulations!*

Katie Schmitz, PhD, MPH, FACSM, FTOS, FNAK, TREC Faculty and Senior Advisory Board member, has relocated her laboratory to the University of Pittsburgh, effective October 1. Katie welcomes you to email her at her new address schmitzk@upmc.edu. *Congrats, Katie!*

Jasmine Sukumar, MD, 2021 TREC Fellow, has received an Assistant Professorship position in the Department of Breast Medical Oncology at the University of Texas MD Anderson Cancer Center! Jasmine welcomes anyone in TREC to reach out to her via new email address jsukumar@mdanderson.org. *Way to go, Jasmine!*

Ivan Wu, PhD, 2020 TREC Fellow, has relocated to the University of Minnesota where he has accepted an Assistant Professorship in the Division of Epidemiology and Community Health. Check out Ivan's [website](#), and feel free to reach out to him at wuxxx832@umn.edu. *That's awesome, Ivan, well done!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Career Development Opportunities

Deadline Extended: Early Investigator Advancement Program Accepting Applications until December 1

EIAP Facilitates the Advancement of Scientists from Diverse Backgrounds

The [Early Investigator Advancement Program \(EIAP\)](#) has extended its deadline for applications – the program will now accept applications through December 1, 2022 for its second cohort of EIAP Scholars. **We would welcome and appreciate you sharing this news with your grantees and networks.**

With the support of the Equity Council, NCI launched EIAP in late 2021 to facilitate the advancement of scientists from diverse backgrounds to become independent investigators. The cancer research enterprise needs a continuous flow of talent through the research career pipeline to thrive. One critical juncture is the transition from junior investigator to independent investigator. Each year, EIAP supports the professional and career development of a cohort of eligible and qualified [Early Stage Investigators and New Investigators](#) from institutions across the country.

EIAP aims to:

- Enhance professional skills;
- Guide preparation of an R01 grant application;
- Provide access to a mentoring and peer network; and
- Grow a community of emerging independent investigators from diverse backgrounds.

Potential applicants should visit the [EIAP webpage](#) to access the pre-application webinar recording and slides, frequently asked questions, and eligibility information and application instructions. Please note: applicants are required to provide



a draft R01 and a statement indicating preparedness to submit an R01 by October/November 2023; see the EIAP webpage for full details.

EIAP applications must be submitted by December 1, 2022. The target start date will be March 1, 2023.

NCI values diversity and particularly encourages applicants from populations underrepresented in the biomedical sciences, as noted in the Notice of NIH's Interest in Diversity ([NOT-OD-20-031](#)).

Contact: Ms. JoBeth McCarthy and Dr. Maria Jamela (Jay) Revilla, EIAP@nih.gov

Integrated Physiology (Exercise Physiology or similar) T/TT Position, University of Houston

Announced by TREC Fellow Melissa Markofski:

Opening for an open rank tenured/tenure track position in the Department of health and Human Performance. The website says reference letters are required up front but that's because of the system UH uses. We can review applications without the letters, but will need the letters if the person makes the final list (for example, if someone is applying and not wanting their current dept to know we can still review their initial materials).

Dr. Markofski is chair of the search, and she is happy to speak to anyone about what they are looking for in their candidates. Melissa can also provide the contact for the faculty recruiter in the Provost's office who is happy to confidentially talk to applicants about things they may not want to ask a search chair (family leave, etc.). Contact Dr. Markofski at mmarkofski@uh.edu.

[Job Description - Open Rank Faculty - Integrated Physiology \(FAC002588\) \(taleo.net\)](#)

UH has a newly renovated 5000 sqft biochemistry lab and 1900 sqft exercise testing and training space: [Laboratory of Integrated Physiology partial list of shared equipment](#) [University of Houston Powerhouse Faculty](#)

Exercise Psychology (open rank) and open discipline (Asst) TT Kinesiology positions at Iowa State University

Announced by TREC Fellow Jessica Gorzelitz:

Iowa State University is actively recruiting for two 9-month tenure-track positions in Kinesiology: 1) an open-rank (Assistant, Associate, or Full) Exercise Psychology position and 2) an open discipline Assistant Professor position. Both positions are broad in their description as we are looking to recruit colleagues who will help to grow our departmental expertise and research endeavors.

The Exercise Psychology position aims to attract a scholar with expertise related to exercise and 24-hour movement behaviors (exercise, physical activity, sedentary behaviors, sleep) in the fields of behavior change, psychological responses to acute and chronic exercise, psychobiology, cognition, neuroscience, digital interventions, or ecological momentary assessment at the Assistant, Associate or Full Professor level. For more information and to apply, see:

https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Assistant---Associate-or-Professor-in-Exercise-Psychology_R9948

- If you have questions about this position, please email Jacob Meyer at jdmeyer3@iastate.edu.

The Open position is seeking to hire a strong scholar in any subdiscipline of kinesiology and health with expertise in any domain associated with movement, physical activity or exercise, and health using research models ranging from the cellular to whole organism, and involving animal models or human studies. For more information and to apply, see:

https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Assistant-Professor-Kinesiology_R9951

- If you have questions about this position, please email Rudy Valentine at rvalenti@iastate.edu.

T32 Postdoctoral Training Opportunity at Georgetown Lombardi Cancer Center, from Dr. Nina Kadan-Lottick (TREC faculty)

The Georgetown Lombardi Comprehensive Cancer Center (GLCCC) is seeking outstanding candidates for an NCI T32-funded, postdoctoral training program in Cancer Population Science (CPaS). **We are currently recruiting for immediate openings.**

The program focuses on preparing trainees for independent research careers with a focus on clinical and community translational research. Training faculty have a wide breadth of domain-specific expertise with funded research programs in cancer energetics, behavioral science, health disparities, epidemiology/biomarkers, cancer and aging, tobacco control, health services/health policy, and cancer survivorship. The program offers 2-3 years of funding, competitive salary and benefits, as well as funds for travel and research support. The fellows will be mentored to develop their own program of funded research and have access to a robust training environment.

GLCCC is the only National Cancer Institute-designated Comprehensive Cancer Center in the nation's capital. Fellows participate in all phases of research, from study design through manuscript preparation, and participate in a formal didactic program. There also are opportunities to participate in multidisciplinary grant writing and the development of new projects and mentor undergraduate and graduate students.

Highlights of the training environment of the CPaS Program include:

- An established clinical consortium with access to the largest cancer population in the Mid-Atlantic
- A Minority Underserved NCORP site
- Two funded CISNET modeling groups
- The Jess and Mildred Fisher Center for Hereditary Cancer and Clinical Genomics Research
- Georgetown Lombardi Institute for Cancer and Aging
- The Georgetown-Howard Universities Center for Clinical and Translational Science
- The McCourt School of Public Policy
- The MedStar Health National Center for Human Factors in Healthcare

Applicants should have a PhD, MD, ScD, or DrPH in psychology, public health, health services, or other related field. Open to U.S. citizens and permanent residents only. Previous experience with cancer is desirable but not required.

Program details and application can be found at: <https://lombardi.georgetown.edu/education/cpas-program/>
Direct additional questions to cpcpostdoctraining@georgetown.edu

Conferences/Webinars/Other Cool Things!

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 4 (Academic year 2022-2023)

Our current series is well under-way! The remaining webinars for this series are listed below – Save the Dates!

- November 16, 2022 @ 1-2pm Eastern: Kathleen Porter (2019) and Yasser Ged (2021)
- January 25, 2023 @ 1-2pm Eastern: Katherine Cook (2020) and Qi Chen (2020)
- March 22, 2023 @ 1-2pm Eastern: Margaret Raber Ramsey (2020) – and one slot TBD – let Diana know if you want it!

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission).

Past webinar recordings: Did you miss any of the prior webinars or want to watch them again? The recordings are up on the TREC members website: TRECTraining.yale.edu – members login: TREC / TREC1234 (please do not share members log-in with non-members – thank you!)

TREC Training Workshop – 2023! Our 7th annual Workshop will occur at Water's Edge Resort next June 26-30, 2023. TREC Faculty and select Alumni will be invited. For now, please mark your calendars to save the date!

Canadian resources for help in reimbursement of patient partners:

TREC Faculty member **Dr. Kristin Campbell** shares that while these resources are Canadian they have been very helpful for reimbursement of patient partners especially those who are low income. This has been a major focus in Canada lately:

<https://cihr-irsc.gc.ca/e/51466.html>

https://sporevidencealliance.ca/wp-content/uploads/2020/10/SPOR-EA_Patient-Partner-Appreciation-Policy-and-Procedure_2020.pdf

TREC Fellow Spencer Rosario Guesting a Special Issue on Metabolism – *CALL FOR PAPERS*

Spencer was recently appointed as the guest editor for a Special Issue of Life (IF 3.251) focused on Cancer Biology, Genomics and Metabolomics. She is seeking research focused on understanding cancer metabolism. She invites TREC fellows, who may have quick cancer energetics papers they would like to get out. She has the ability to waive the fees for 10 papers.

Submission Deadline: 18 March 2023. More info: mdpi.com/si/142588. Questions: spencer.rosario@roswellpark.org.

An example of Leveraging the TREC Network:

From Jessica Olson, 2020 TREC Fellow,

I wanted to let you know about a great experience that I had leveraging our TREC network for an undergraduate student over the summer.

Melinda Stolley and I mentored a young woman named Nikita Kulkarni in a summer research program focused on cancer disparities. Nikita was interested in learning facilitation and qualitative research techniques, so we designed a study where she would explore variability in lifestyle interventions by interviewing people who conduct them.

I was able to use both Melinda Stolley's network and the TREC resource network to connect Nikita with people who did the kind of work that she was interested in. We sent out 11 invitations, hoping for 5, and got 9! Six of those were from TREC: Drs. Ketterl, Kwarteng, Dieli-Conwright, Mitchell, Mama, and Hirko. (Final poster available from Jess Olson, jeolson@mcw.edu).

Overall, I got to expose an enthusiastic young mentee to a wide network of professionals, and I got to learn more about my amazing colleagues and their brilliant perspectives. I'm so grateful to be a part of this network, and thank you for the work you do to connect us all!

Warmly,
-Jess

TREC Connects! Volume 4, Issue 2 (October 2022)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your periodic newsletter from the TREC Training Program

Volume 4, Issue 3. December 2022

Greetings!

Dear TREC Faculty and Fellows and Friends,
Greetings from TREC! In the last two months since our prior Newsletter, our community has been busy with several grants awarded, publications, promotions/appointments, and new position opportunities! Check it all out, below.

We are well underway with Notices of Intent to apply for TREC-2023. The NOI due date is December 15 and **we would still like to receive more – especially from basic scientists and clinician researchers - please tell your friends and colleagues who may be interested.** All that needed for the NOI is simple, informal email to Diana dlowry@fredhutch.org. Applications due January 15, 2023.

We are planning to hold the TREC-2023 Workshop in person again this year. Fellows who participated in TREC via Zoom in 2020 or 2021 and were not able to join us in person in 2022 have been invited to save the dates for in-person attendance and presentations in Connecticut this June during TREC week 2023. We will follow up with these 2020 and 2021 Fellows early next year to launch travel planning. Very exciting to be holding our TREC week in person again next year

We wish you all a very joyful holiday season!



~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Alina Vrieling, PhD. 2021 TREC Fellow

Title: [Vitamin D levels and recurrence of bladder cancer](#)

Mechanism: WCRF International

Co-I: Alina Vrieling

Title: [Body size and non-muscle invasive bladder cancer outcome](#)

Mechanism: WCRF International

PI: Lin Yang, PhD. 2020 TREC Fellow

Title: The PEAK Program: Development, Implementation, and Evaluation of a Cancer Prehabilitation Program to Enhance Knowledge, Improve Mental Health and Keep Up Physical Function.

Mechanism: Canadian Cancer Society: Accelerator Grants

Comment from Lin: This grant is very TRECKIE! The PEAK program project was informed by the PEAK-RP project that targets prehab for radical prostatectomy (also funded by the Canadian Cancer Society in 2020). The PEAK-RP project was the initial proposal I submitted to the TREC workshop back in 2020, and the PEAK-RP project was informed by the PIE project that I worked on as a TREC Postdoc back in Washington University with Kate Wolin and Graham Colditz :)

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[The bone-muscle connection in breast cancer: implications and therapeutic strategies to preserve musculoskeletal health.](#)

Ballinger TJ, Thompson WR, Guise TA. Breast Cancer Res. 2022 Nov 23;24(1):84. doi: 10.1186/s13058-022-01576-2. PMID: 36419084; PMCID: PMC9686026.

[Exercise as cancer treatment: A clinical oncology framework for exercise oncology research.](#) **Courneya KS**, Booth CM. Front Oncol. 2022 Sep 2;12:957135. doi: 10.3389/fonc.2022.957135. PMID: 36119508; PMCID: PMC9480835.

[Factors associated with meeting physical activity guidelines during the COVID-19 pandemic.](#) **Heredia NI**, Machiorlatti M, Reininger BM, Robledo C. BMC Public Health. 2022 Nov 25;22(1):2178. doi: 10.1186/s12889-022-14613-8. PMID: 36434630.

[Sustained Minimal Residual Disease Negativity in Multiple Myeloma is Associated with Stool Butyrate and Healthier Plant-Based Diets.](#) **Shah UA**, Maclachlan KH, Derkach A, Salcedo M, Barnett K, Caple J, Blaslov J, Tran L, Ciardiello A, Burge M, Shekarkhand T, Adintori P, Cross J, Pianko MJ, Hosszu K, McAvoy D, Mailankody S, Korde N, Hultcrantz M, Hassoun H, Tan CR, Lu SX, Patel D, Diamond B, Shah G, Scordo M, Lahoud O, Chung DJ, Landau H, Usmani SZ, Giralt S, Taur Y, Landgren CO, Block G, Block T, Peled JU, van den Brink MRM, Lesokhin AM. Clin Cancer Res. 2022 Dec 1;28(23):5149-5155. doi: 10.1158/1078-0432.CCR-22-0723. PMID: 36170461; PMCID: PMC9722533.

[From evidence to implementation of lifestyle behaviour in cancer prevention and control: A Preventive Medicine Golden Jubilee Commentary.](#) **Yang L**, Friedenreich CM. Prev Med. 2022 Nov 9;166:107342. doi: 10.1016/j.ypmed.2022.107342. Epub ahead of print. PMID: 36368342.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Mathilde His, PhD, 2022 TREC Fellow, has accepted a new position at the Centre Léon Bérard, a comprehensive cancer care center (one of the 20 Centers for the Fight Against Cancer – Unicancer in France), in the *Département Prévention Cancer Environnement, U1296 INSERM* (Pr. Beatrice Fervers' team). Mathilde is starting there (as a postdoc) in January, and as soon as she has her new email address, Diana will update that in our TREC member directory. Super exciting, Mathilde, congratulations!

Dieuwertje Kok, PhD, 2019 TREC Fellow, has received tenure and promoted to Assistant Professor. She is still located at Wageningen University (The Netherlands), in the Division of Human Nutrition and Health, hence her email address is unchanged. Congratulations, Dieuwertje!

Fiona Malcomson, PhD, 2021 TREC Fellow, was awarded the John A. Milner award at AICR last month – well done, Fiona!



Renate Winkels, PhD, 2018 TREC Fellow, has been promoted to Assistant Professor with tenure at Wageningen University (The Netherlands), in the Department of Nutrition and Disease. Way to go, Renate!

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Career Development Opportunities

Postdoctoral Research Fellow, Department of Quantitative Health Sciences, Division of Epidemiology, Mayo Clinic-Phoenix

TREC Fellow [Diane Ehlers](#) in the Department of Quantitative Health Sciences at the Mayo Clinic in Phoenix, AZ is seeking applications for a **postdoctoral research fellow** starting in Summer/Fall 2023. Ideal candidates will have research interests in physical activity and quality of life outcomes in cancer populations and/or older adults and have strong data management and communication skills.

This is a full-time position focused on activity behaviors and health outcomes in cancer and aging. The postdoc will actively participate in an ongoing NIH-funded clinical trial focused on investigating the neurocognitive effects and implementation success of a community-based exercise program for women with breast cancer. Additional opportunities and expectations are listed below.

Opportunities and expectations include:

- Actively participate in clinical exercise trials and observational studies focused in physical activity and neurocognition. Postdoctoral trainees will gain experience with project leadership and data collection, management, and data dissemination.
- Contribute to new project development, grant writing, data analyses, and scientific manuscripts/presentations (first author and co-author).
- Develop, with the mentorship of Dr. Ehlers and other collaborators, independent research projects and grant proposals based upon individual research interests.
- Participate in training, education, and professional development opportunities available at the Mayo Clinic or Arizona State University. The postdoctoral trainee will also receive funding to attend professional meetings or other professional development opportunities.

Qualifications:

- PhD in kinesiology, exercise science, public health, cognitive neuroscience, or closely-related field or currently enrolled in an accredited doctoral degree program with expected graduation prior to position commencement.
- Prior experience conducting clinical or community-based research in cancer populations (preferred).
- Strong data management and analysis skills.
- Commitment to becoming an independent scientist
- **We are specifically interested in a motivated individual who can work well as a member of an interdisciplinary team and who has excellent organizational, time-management, and communication skills.** We are a large team with collaborators across the country, so proficiency with and commitment to these skills are critical.

Appointment:

This Postdoctoral Research Fellowship at Mayo Clinic is a temporary position intended to provide training and education in physical activity research. It is a 2-3 year, full-time position in which Years 2-3 will be contingent upon performance during Year 1. Proof of English proficiency is required for J-1 Short-Term Scholars, Research Scholars, Professors, Specialists, and Student Interns sponsored by Mayo Clinic. Applications will be reviewed until the position is filled.

Application Requirements:

- Current curriculum vitae and bibliography
- Proof of doctoral degree (original or notarized copy of diploma or final transcript issued by school) or a letter from your university's registrar office indicating you have fulfilled all doctoral program requirements and are eligible to graduate. English translation required if applicable.
- Three letters of recommendation addressed to Dr. Ehlers prior to an interview. The letters of recommendation should include the following information:
 - Relationship to the applicant
 - Past work/academic performance
 - Work qualities/personal conduct
 - Overall assessment of potential for success in research environment

Please direct questions about the position to Dr. Ehlers at Ehlers.Diane@mayo.edu. Please [click here](#) to view the job post and apply.

Dietetic Internship Director Position, Full Time Faculty Member, University of Texas Health Science Center at Houston

Announced by TREC Fellow Natalia Heredia:

The University of Texas Health Science Center (UTHealth) School of Public Health and the Michael & Susan Dell Center for Healthy Living (the Center) seek qualified candidates for a full-time faculty member and Dietetic Internship Program Director position in Houston to serve as the director of the dietetic internship program; plan, schedule, coordinate, and supervise program operations; develop and evaluate the program; engage in strategic planning; and manage finances for the program. The position also will establish, maintain, and facilitate community partnerships and service opportunities for themselves, program participants, and dietetic internship students. These opportunities can include events related to advocacy in nutrition, education, and wellness. Competitive salary and start-up resources are available.

The UTHealth School of Public Health Dietetic Internship Program is located in the Department of Health Promotion & Behavioral Sciences and the Michael & Susan Dell Center for Healthy Living. The faculty member is responsible for assuring the internship education activities integrate effectively and efficiently with department operations. Primary responsibilities of the Dietetic Internship Director include recruiting and advising students; establishing and managing an effective curriculum; coordinating practicum sites and rotation schedules for students and preceptors; maintaining program accreditation; and maintaining professional competency and skills required for professional practice. The Program Manager is also responsible for maintaining an active faculty role within the School of Public Health, and will play a role in coordinating the development, management, instruction, and evaluation of nutrition-related classes and content within the McGovern Medical School. The program management time allocation is 75/25 with 75% of time allotted to managing the program and 25% toward teaching graduate-level courses

UTHealth School of Public Health is comprised of six campuses located across Texas: Austin, Brownsville, Dallas, El Paso, San Antonio, and Houston with a combined faculty of over 165 and over 1,700 graduate students. The UTHealth School of Public Health offers multiple master and doctoral degree programs. Students can take courses offered through all of the six campuses at the School using Telepresence or WebEx, which enables interactive teaching across campuses and enhances collaborations among faculty and students.

The Michael & Susan Dell Center for Healthy Living was founded in 2006 with a vision of 'healthy children in a healthy world' and a mission to advance health and healthy living for children and families through early and impactful interventions. The Dietetic Internship is part of the Center, and trains MPH students to sit for the Registered Dietitian Nutritionist (RDN) exam. The Internship is accredited by the Academy of Nutrition and Dietetics – the most recent accreditation has just been completed. The Dietetic Internship is also associated with the Nourish Program, which provides training from 'seed to plate to prevention', and includes state-of-the-art facilities such as an organic garden, a teaching kitchen, and a simulation lab.

Specific duties associated with this position include;

- Development of policies and procedures for effectively managing all components of the program and to ensure fair, equitable, and considerate treatment of prospective and enrolled interns (such as program admission retention and completion policies).
- Recruitment, advisement, evaluation and counseling of dietetic internship students and other MPH students.
- Compliance and oversight of all Accreditation Council for Education in Nutrition and Dietetics accreditation standards, policies, and procedures.
- Maintenance of program accreditation, including:
- Maintenance of RDN/LD credentials, self-directed professional reading, developing professional contacts with colleagues, attending professional development courses, and attending training and/or courses required by the supervisor, including diversity and equity trainings.
- Facilitation of a learning environment within the dietetic internship staff, students, preceptors, and partner organizations that encourages knowledge of, respect for, and development of skills to engage with those of other cultures or backgrounds.
- Collaboration with UTHealth Nutrition Faculty and the Nourish Program to develop and plan learning activities for interns.
- Coordination and conduct of the Nourish Program simulation lab and training program
- Recruitment and management of preceptors and agreements.
- Coordination of the DI selection committee for successful recruitment and choosing new interns annually
- Completion of the required training or documentation as needed by the partner sites, including the continuing training
- Coordination of the DI Summer Program
- Coordination of DI Graduation and evaluation of student's completion for graduation
- Assistance in coordination of nutrition-related activities and education across UTHealth and other partner institutions
- Assistance with DI marketing materials for the Michael & Susan Dell Center for Healthy Living and the UTHealth School of Public Health
- Compliance with all governmental and University policies, rules, regulations, and codes to ensure protocols and procedures meet University compliances, policies, rules, and regulations.
- Participation in conduct of research studies, including writing grants and publishing manuscripts

- Participation in community partnership meetings for the Houston campus. Interactions with representatives from the community, state, federal and other agencies regarding research activities, projects or events, and other activities.
- Participation in all other duties as assigned.

The successful candidate will have: a Registered Dietitian Nutritionist (RDN) credential, with a minimum of a Master's degree in nutrition, dietetics, or a related field, with a PhD or ability to obtain a doctorate within the first five years of employment preferred; evidence of professional preparation and practice in nutrition and dietetics for at least seven (7) years; evidence of effective teaching, preferably at the college level or other professional experience for a minimum of three years post RDN credentialing; either currently credentialed as a Licensed Dietitian in Texas or eligible for licensure in Texas; skill in utilizing instructional and computer technology; and demonstrated knowledge and awareness of professional development related to areas of expertise. Candidates with prior management experience, clinical experience in a large hospital, or experience in teaching and directing education programs are preferred. We welcome candidates whose experience in teaching, research, and service has prepared them to contribute to our commitment to diversity, inclusion, and community service.

Review of applications will begin immediately and continue until the position is filled. Interested candidates should access the following link to complete the Web application <https://uth.referrals.selectminds.com/faculty/jobs/assistant-professor-of-instruction-dietetic-internship-director-dell-center-for-healthy-living-school-of-public-health-15375>. Please also submit a cover letter describing qualifications and interests, a current curriculum vitae, and contact information for three professional references.

Candidates with further questions are encouraged to contact the chair (Shreela Sharma, PhD, RD, LD at Shreela.v.sharma@uth.tmc.edu) or the administrative assistant (Jayme Wood at Jayme.Wood@uth.tmc.edu) of the search committee.

Conferences/Webinars/Other Cool Things!

Disseminate your work – and please remember to cite TREC if relevant!

ASPO Webinar: Current Perspectives on Chrononutrition for Cancer Survivorship – Friday, December 9, 11am-12noon ET
2018 TREC Fellow **Adriana Coletta** and TREC Faculty **Cynthia Thomson** are co-chairing this webinar. See speaker line-up below – all are TREC Faculty or Alumni. The webinar is free for ASPO Members and \$25 for non-members. To receive free registration be sure to sign in to your ASPO member account. [Click here to register](#).



Chrononutrition and Cancer: What the Mice

Tell Us

Dorothy Sears, PhD

Arizona State University



Chrononutrition for Humans: Are We Ready for Recommendations?

Mary Playdon, PhD, MPH

University of Utah



Using Glucose Monitoring to Guide Meal Timing

Susan Schembre PhD, RD

Georgetown University

Dietary Symposium at American Society of Hematology (ASH) - Building Dietary Evidence for Hematologic Malignancies.

This is a first time symposium on this topic at ASH that 2021 TREC Fellow, **Urvi Shah**, will be chairing. This symposium will occur on Sunday, December 11, 2022 from 9:30am – 10:45am. If you are attending ASH this year, [check it out here](#) and be sure to attend Urvi's symposium!

TREC WEBINARS – Series 4 (Academic year 2022-2023)

Our current series is well under-way – they have been fantastic! The remaining webinars for this series are listed below – Save the Dates!

- January 25, 2023 – 1-2pm Eastern: Katherine Cook (2020) and Qi Chen (2020)
- March 22, 2023 – 1-2pm Eastern: Maggie Raber-Ramsey (2020) and Pat Kung (2022)

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission). The TREC membership will be notified when the webinar recordings are available.

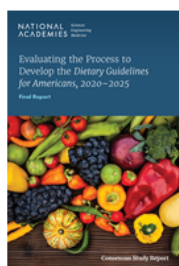
Speaking of webinar recordings: Did you miss any of the prior webinars or want to watch them again? Prior webinars are now up on the TREC members website: TRECTraining.yale.edu – members login: TREC / TREC1234 (please do not share members log-in with non-members – thank you!

New Report! Evaluating the Process to Develop the Dietary Guidelines for Americans, 2020-2025: Final Report [Read Now!](#)



NEW CONSENSUS STUDY REPORT

Evaluating the Process to Develop the Dietary Guidelines for Americans, 2020-2025: Final Report



In response to a request from Congress, the Health and Medicine Division of the National Academies of Sciences, Engineering, and Medicine (National Academies) conducted a study comparing the process to develop the *Dietary Guidelines for Americans, 2020-2025 (DGA 2020-2025)* to recommendations included in the previously published National Academies report, “Redesigning the Process for Establishing the Dietary Guidelines for Americans.” This report describes the committee’s findings and conclusions related to this assessment. Notably, this report does not evaluate the merits of the *DGA 2020-2025* but evaluates the process by which they were created relative to the recommendations made in the previously published National Academies report.

TREC Training Workshop – 2023! Our 7th annual Workshop will occur at Water’s Edge Resort next June 26-30, 2023. TREC Faculty and select Alumni will be invited. For now, please mark your calendars to save the date!

TREC Connects! Volume 4, Issue 3 (December 2022)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your periodic newsletter from the TREC Training Program

Volume 5, Issue 1. June 2023

Greetings!

Dear TREC Faculty and Fellows and Friends,

We hope that you are enjoying the summer thus far! We are excited to very soon enter another TREC-week, the TREC-2023 Workshop at Water's Edge in Connecticut! We have finalized the agenda for this year's event which now is just ahead (June 26-30) and are looking forward to meeting our **twenty-four amazing 2023 TREC Fellows**. We've made some exciting changes to the TREC-week agenda this year, based on former Fellows' feedback, so even seven years in it will be refreshed and fun! We thank all 2023 participants and look forward to learning from you. Stay safe, be well, and see many of you very soon!

Aside from Workshop prep, much has been happening and below we have great news to share showcasing many of the terrific accomplishments that YOU have made these last few months. Congrats to you all!

We feel such immense gratitude for YOU – our entire TREC community – and a **warm welcome to our 2023 Fellows!!!**

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Tina Skinner, PhD. 2019 TREC Fellow

Title: [Rebuilding bone with exercise in multiple myeloma](#)

Mechanism: WCRF International

PI: Meghan Skiba, PhD, RDN. 2022 TREC Fellow

Title: Cultural tailoring of a dyadic physical activity intervention for Hispanic prostate cancer survivors and their caregivers.

Adaptation of Exercising Together© through formative qualitative research and a pilot randomized feasibility study and exploring potential effect on physical, cardiovascular, and mental health.

Mechanism: ACS-IRG award

Co-I: Jessica Olson, PhD. 2020 TREC Fellow.

Title: Every Day Counts: A lifestyle intervention for women with metastatic breast cancer

Mechanism: National Cancer Institute

PI: Jennifer Stern, PhD. 2021 TREC Fellow – multiple awards!

Title: Exercise-Induced changes in the liver proteome in aging mice

Mechanism: University of Arizona Technology Research Initiative Fund

Title: Preventing liver GABA release and encouraging re-uptake to limit serum insulin and associated aging

Mechanism: University of Arizona College of Medicine Spark Grant

Title: Investigating the Role of Hepatic Glucagon Receptor Signaling in Healthspan and Aging

Mechanism: Arizona Biomedical Research Centre New Investigator Award

PI: Joe Ippolito, MD. 2021 TREC Fellow

Title: Targeting pediatric brain tumors with sodium glucose cotransporter 2 inhibitors

Mechanism: Children's Discovery Institute Interdisciplinary Research Initiative, Washington University

PI: Dara James, PhD. 2022 TREC Fellow

Title: Feasibility Study of an Intermittent Fasting Intervention to Reduce Obesity and Develop a Racially-optimized Protocol among African Americans in the Deep South Region of the United States

Mechanism: Deep South Mentored Career Development Grant (KL2), Center for Clinical and Translational Science

PIs: Tyler Ketterl, MD and Christina Dieli-Conwright, PhD. TREC Fellows 2020 and 2017, respectively

Title: Measurement and Impact of Body Composition Using CT Imaging in Patients with Germ Cell Tumors Undergoing Chemotherapy on the NCTN Phase 3 Study AGCT1531

Mechanism: Peer Reviewed Cancer Research Program (PRCRP) Translational Team Science Award - Clinical Trial through the Department of Defense office of the Congressionally Directed Medical Research Programs (CDMRP)

Comment from Tyler: *I just wanted to share this good news and let you all know how greatly TREC has positively impacted my career and me as a junior faculty member.*

PIs: Amanika Kumar, MD and Jessica Gorzelitz, PhD. TREC Fellows 2022.

Title: Endometrial Cancer rural tele-health survivorship intervention

Mechanism: Mayo Clinic

Comment from Amanika: *Our collaboration totally would not have happened without TREC!! We are both so appreciative of TREC and the connections forged there. Thank you!*

PI: Erika Crosby, PhD. TREC fellow 2022

Title: [not provided]

Mechanism: Komen Cancer Catalyst Award

PI: Tarah Ballinger, MD. TREC fellow 2020

Title: Impact of Exercise in Metastatic Breast Cancer Survivors

Mechanism: Komen Cancer Catalyst Award

PI: Alina Vrieling, PhD. 2021 TREC Fellow

Title: [Vitamin D levels and recurrence of bladder cancer](#)

Mechanism: WCRF International

Co-I: Alina Vrieling

Title: [Body size and non-muscle invasive bladder cancer outcome](#)

Mechanism: WCRF International

PI: Lin Yang, PhD. 2020 TREC Fellow

Title: The PEAK Program: Development, Implementation, and Evaluation of a Cancer Prehabilitation Program to Enhance Knowledge, Improve Mental Health and Keep Up Physical Function.

Mechanism: Canadian Cancer Society: Accelerator Grants

Comment from Lin: *This grant is very TRECKIE! The PEAK program project was informed by the PEAK-RP project that targets prehab for radical prostatectomy (also funded by the Canadian Cancer Society in 2020). The PEAK-RP project was the initial proposal I submitted to the TREC workshop back in 2020, and the PEAK-RP project was informed by the PIE project that I worked on as a TREC Postdoc back in Washington University with Kate Wolin and Graham Colditz :)*

PI: Elizabeth Salerno, PhD MPH. 2019 TREC Fellow

Title: Characterizing mental and cognitive health and physical activity in the perioperative breast cancer setting

Mechanism: Washington University Center for Perioperative Mental Health (P50 MH122351) R03 Pilot Project

Comment from Liz: *I'm fortunate to collaborate with another TREC fellow on this project, Dr. Lindsay Peterson (TREC 2017). We hope findings from this study will provide key insights into the dynamic and interrelated changes in physical activity, cognition, and mental health to inform the delivery of a healthcare-integrated physical activity intervention during breast cancer treatment.*

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Obesity, Diet, Physical Activity and Cancer: Transdisciplinary and Translational Approaches Towards Energy Balance and Cancer Research from the Bench to the Clinic to the Community.](#) Irwin ML, Ligibel J, Sears D (guest eds.). JNCI Monographs. Volume 2023, Issue 61. June 2023.

A message from TREC PI Dr. Melinda Irwin, about this monograph,

Dear TREC community –

Just an FYI, I am so incredibly proud of TREC's effort with this JNCI Monograph, which included 71 TREC Fellows and 7 TREC Faculty. Thank you!

[Looking back: a review of policy implications for exercise oncology.](#) Kennedy MA, Potiaumpai M, Maitin-Shepard M, Wilson CM, Campbell A, Schwartz AL, Gorzelitz J, Caru M, Grimmett C, Schmitz KH. J Natl Cancer Inst Monogr. 2023 May 4;2023(61):140-148. doi: 10.1093/jncimonographs/lgad002. PMID: 37139975.

[Coffee Intake, Caffeine Metabolism Genotype, and Survival Among Men with Prostate Cancer.](#) Gregg JR, Kim J, Logothetis C, Hanash S, Zhang X, Manyam G, Muir K; UKGPCS Collaborative Group; Giles GG, Stanford JL, Berndt SI, Kogevinas M, Brenner H, Eeles RA; PRACTICAL Consortium; Wei P, Daniel CR. Eur Urol Oncol. 2023 Jun;6(3):282-288. doi: 10.1016/j.euo.2022.07.008. Epub 2022 Aug 20. PMID: 35995710; PMCID: PMC9939555.

[Rationale and Methods for a Randomized Controlled Trial of a Dyadic, Web-Based, Weight Loss Intervention among Cancer Survivors and Partners: The DUET Study.](#) Pekmezi DW, Crane TE, Oster RA, Rogers LQ, Hoenemeyer T, Farrell D, Cole WW, Wolin K, Badr H, Demark-Wahnefried W. Nutrients. 2021 Sep 29;13(10):3472. PMCID: PMC8539255.

[Associations between perceptions of relationship quality and markers of inflammation and insulin resistance among couples coping with cancer.](#) Skiba MB, Dieckmann NF, Lyons KS, Winters-Stone KM. J Cancer Surviv. 2022 Nov 26. doi: 10.1007/s11764-022-01299-5. Epub ahead of print. PMID: 36435952.

[Glucagon Receptor Signaling at the Adipocyte Does Not Regulate Lipolysis in Mice.](#) Vasileva, A., Marx, T.J., Beaudry, J.L., and Stern, JH. Am J Physiol Endocrinol Metab. 2022 Oct 1;323(4):E389-E401. doi: 10.1152/ajpendo.00078.2022. Epub 2022 Aug 24. PMID: 36002172; PMCID: PMC9576180.

[Metabolic and physical function are improved with lifelong 15% calorie restriction in aging male mice.](#) Peters EC, Safayan L, Marx TJ, Ngu E, Vasileva A, Zappia I, Powell WH, Duca FA, Stern JH. Biogerontology. 2022 Dec;23(6):741-755. doi: 10.1007/s10522-022-09996-5. Epub 2022 Oct 31. PMID: 36315375; PMCID: PMC9722841.

[De novo serine biosynthesis from glucose predicts sex-specific response to antifolates in non-small cell lung cancer cell lines.](#) Sponagel J, Devarakonda S, Rubin JB, Luo J, Ippolito JE. iScience. 2022 Oct 12;25(11):105339. doi: 10.1016/j.isci.2022.105339. eCollection 2022 Nov 18. PMID: 36325067.

[Sex Differences in Brain Tumor Glutamine Metabolism Reveal Sex-Specific Vulnerabilities to Treatment.](#) Sponagel J, Jones JK, Frankfater C, Zhang S, Tung O, Cho K, Tinkum KL, Gass H, Nunez E, Spitz DR, Chinnaiyan P, Schaefer J, Patti GJ, Graham MS, Mauguen A, Grkovski M, Dunphy MP, Krebs S, Luo J, Rubin JB, Ippolito JE. Med (N Y). 2022 Nov 11;3(11):792-811.e12. doi: 10.1016/j.medj.2022.08.005. Epub 2022 Sep 14. PMID: 36108629.

[Outcomes of a Stress Management and Resilience Training \(SMART\) Program for Family Caregivers of Individuals with Advanced Head and Neck Cancer.](#) Chesak, S.S., Dose, A.M., Mandrekar, J., Cutshall, S., Feuhrer, D., James, D., & Sood, A. (2023). Oncology Nursing Forum, 50(1), 6-18. DOI: 10.1188/23.ONF.6-18

[Extreme body mass index and survival in newly diagnosed multiple myeloma patients.](#) Shah UA, Whiting K, Devlin S, Ershler R, Kanapuru B, Lee DJ, Tahri S, Gwise T, Rustad EH, Mailankody S, Lesokhin AM, Kazandjian D, Maura F, Auclair D, Birmann BM,

Usmani SZ, Gormley N, **Marinac CR**, Landgren O. Blood Cancer J. 2023 Jan 12;13(1):13. doi: 10.1038/s41408-022-00782-7. PMID: 36631444; PMCID: PMC9834289.

[The effects of resistance exercise on appetite sensations, appetite related hormones and energy intake in hormone receptor-positive breast cancer survivors](#). **Purcell SA**, Melanson EL, Afghahi A, Borges VF, Sinelli I, Cornier MA. Appetite. 2023 Mar 1;182:106426. doi: 10.1016/j.appet.2022.106426. Epub 2022 Dec 17. PMID: 36539160.

[IMPROVE-BMT: a protocol for a pilot randomised controlled trial of prehabilitation exercise for adult haematopoietic stem cell transplant recipients](#). **Potiaumpai M, Schmitz KH**, Mineishi S, Naik S, Wirk B, Rakszawski K, Ehmann WC, Claxton D, Nickolich M, Zemel BS, Zheng H. BMJ Open. 2023 Jan 18;13(1):e066841. doi: 10.1136/bmjopen-2022-066841. PMID: 36657760; PMCID: PMC9853231.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Allison Betof-Warner, MD, PhD, 2021 TREC Fellow has moved from the NYC to California's Stanford University where she is an Assistant Professor in the Department of medicine and Director of Melanoma Medical Oncology, Director of Solid Tumor Cellular Therapy, and co-Director of the Pigmented Lesion and Melanoma Program. Allison can now be reached at allison.betof@stanford.edu. *Wow, Allison, that is a terrific post – congratulations and welcome to the West Coast!*

Brett Bade, MD, 2020 TREC Fellow is now at Northwell Health in New York City, having moved there from Yale in 2022. Brett can be reached at BBade@northwell.edu. *Terrific, Brett – all the best to you!*

Maggie Raber-Ramsey, PhD, 2020 TREC Fellow, early this year relocated back to Houston after accepting a new position as Assistant Professor in the Department of Health Disparities Research at MD Anderson Cancer Center. Maggie's new email address is MPRaberr@mdanderson.org. *That's awesome, Maggie – congrats!*

Mathilde His, PhD, 2022 TREC Fellow, has accepted a new position at the Centre Léon Bérard, a comprehensive cancer care center (one of the 20 Centers for the Fight Against Cancer – Unicancer in France), in the *Département Prévention Cancer Environnement, U1296 INSERM* (Pr. Beatrice Fervers' team). Mathilde's new email address is Mathilde.his@lyon.unicancer.fr. *Super exciting, Mathilde, congratulations!*

Dieuwertje Kok, PhD, 2019 TREC Fellow, has received tenure and promoted to Assistant Professor. She is still located at Wageningen University (The Netherlands), in the Division of Human Nutrition and Health, hence her email address is unchanged. *Congratulations, Dieuwertje!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 5 (Academic year 2023-2024)

Our next webinar series will be for the 2023-2024 academic year and will kick off on September 27, 2023. All TREC fellows past and present are invited to present! The call for speakers will be sent out in July -- we have 8 slots so if you would like one, please reach out to Diana at dlowry@fredhutch.org.

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission).

Speaking of webinar recordings: Did you miss any of the prior webinars or want to watch them again? Prior recordings are up on the TREC members website: [TRECTraining.yale.edu](https://trectraining.yale.edu) – located on the password-protected members page.

And a reminder about the TREC member password-protected portal: In March of this year, Yale implemented a new system where each TREC member has his/her own password. (Before, it was a single shared login). Notifications were sent out in March, but if you need help logging into the members portal, please notify Diana and she will connect you with Yale IT.

These TREC members would like to welcome you to these events:

Lin Yang: Cancer Implementation Science (CCIS) annual meeting - <https://events.cancer.gov/nci/ccis>

Curtis Henry:

<https://obesityweek.org/#:~:text=ObesityWeek%C2%AE%202023%20will%20be,%2D17%20in%20Dallas%2C%20Texas>.

Hannah Arem:

Dissemination and Implementation in Health **conference abstracts due July 18:** <https://academyhealth.org/events/2023-12/16th-annual-conference-science-dissemination-and-implementation-health>

Carmina Valle:

The [4th Annual Interdisciplinary Nutrition Sciences Symposium](#) will be held **September 14 & 15, 2023** in Chapel Hill, NC. INSS 2023 will feature 15 speakers from a wide range of specialties and research focuses to present around our main theme of “Obesity and the Brain Across the Life Course”. Take a look at the [full schedule](#)! We look forward to seeing you in September. INSS is presented by the University of North Carolina at Chapel Hill Department of Nutrition and the UNC Nutrition Obesity Research Center.

Position Announcements

From Dr. Katie Schmitz (TREC Faculty) – University of Pittsburgh: The Exercise Oncology Initiative of University of Pittsburgh and the Hillman Cancer Institute are hiring post-docs and junior faculty. Please contact Kathryn Schmitz at schmitzk@upmc.edu for further information.

From Tae-Hyung Kim (TREC Fellow 2022) – University of New Mexico: My lab has opening for a postdoctoral position studying cancer metabolism and cancer mechanobiology. Anyone interested in the emerging cancer cell biology area, please send me an email with CV and short description of research interests. TaKim@salud.unm.edu

From Erika Crosby (TREC Fellow 2022) – Duke University:

The Crosby lab at Duke University is seeking a highly motivated recent PhD graduate to join our team to take a leadership role on projects at the intersection of immunology and breast cancer development and treatment. The postdoctoral associate will be expected to carry out the research related to our active funding projects, including actively collaborating with other laboratory researchers, clinical research team members, bioinformaticians and biostatisticians. The main project will focus on spatial multiomic evaluation of clinical responders with advanced triple negative breast cancer from the KEYNOTE-890 trial. This will involve the use of 10x Genomics traditional single cell RNAsequencing and the Xenium single cell spatial multiomics platform to analyze blood and tumor tissue samples from treated patients. The candidate will independently develop experiments, analyze and interpret data, and document all research activities and data for subsequent use in publications and grant applications. Even though this position is fully grant funded, the candidate will also be encouraged to independently develop and apply for post-doctoral fellowships. Interested applicants should have the following skills and background:

- PhD degree with a background in cancer immunology or related field
- Familiarity with bioinformatic and biostatistical approaches for the analysis of single cell sequencing data
- Experience with mouse models of cancer

- A working knowledge in cellular immunological and molecular biology techniques including flow cytometry, fluorescence/confocal microscopy, and PCR is a plus
- Desire to conduct team-based science in close collaboration with other researchers, clinicians, and statisticians
- Excellent verbal and written English communication skills with outstanding organizational and analytical abilities

Interested candidates should send a CV/biosketch, a brief cover letter describing research accomplishments, future research goals and contact information for three professional references to Dr. Erika Crosby at erika.crosby@duke.edu.

From Diane Ehlers (TREC Fellow 2018) – Mayo Clinic Arizona:

Currently hiring a postdoc (description attached if helpful; position start is flexible, but only hiring one):

<https://jobs.mayoclinic.org/job/phoenix/research-fellow-behavioral-medicine/33647/47429553728>

Future position we will post for entry in Fall 2023:

Research Technologist – full-time, benefits eligible position to lead data collection for NCI-funded clinical exercise trial, namely maximal graded exercise testing and neurocognitive testing. Ideal individuals will have BA/BS or MA/MS in health-related field, experience with clinical exercise testing, and strong organizational and communication skills. If faculty or fellows have graduated/graduating students in mind who would be willing to relocate to Phoenix area,

Email: Ehlers.Diane@mayo.edu

From Tracy Crane (TREC Fellow 2019) – University of Miami

The University of Miami's Sylvester Comprehensive Cancer Center Lifestyle Medicine Program is recruiting! We are seeking post-docs, junior and mid-level faculty with a research focus in the areas of energy balance, nutrition, exercise, digital technology, cancer prevention and survivorship to join our growing team. If you are interested in learning more about these opportunities please contact Tracy Crane, PhD, RDN – tecrane@med.miami.edu

From Nina Kadan-Lottick (TREC Faculty) -

Georgetown University / Lombardi Comprehensive Cancer Center: T32 Cancer Population Science Program

The Cancer Population Science (CPaS) program at Georgetown Lombardi Comprehensive Cancer Center (GLCCC) is a **new T32 postdoctoral training program supported by the National Cancer Institute (NCI)**. The CPaS program focuses on preparing trainees for independent research careers with a focus on translating basic and clinical advances into the clinic, community and policy. Translational research training is grounded in core competencies of **team science, utilization of novel methods and technologies, applying multilevel approaches, knowledge integration to inform policies and care, and addressing health disparities**.

Training faculty have a wide breadth of domain-specific expertise with **funded research programs in behavioral science, health disparities, epidemiology, simulation modeling, cancer and aging, health services, health policy, cost-effectiveness analysis, and survivorship**.

- Program Website: <https://lombardi.georgetown.edu/education/cpas-program/>
- Program Faculty: <https://lombardi.georgetown.edu/education/cpas-program/faculty/>
- For more information and to apply: <https://lombardi.georgetown.edu/education/cpas-program/apply/>
- Questions: <https://lombardi.georgetown.edu/education/cpas-program/contact/>

Fun Photos from various members of our TREC Community!

Sarah Nash (left) and Dara James (right), TREC Fellows 2022 -- At Obesity Week



TREC Connects! Volume 5, Issue 1 (June 2023)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 6, Issue 1. October 2024

Greetings!

Dear TREC Faculty, Fellows and Friends,

We hope that you are settling in well to our new academic year! We are excited to resume our *TREC Connects Newsletter!*

Among the highlights:

Publications: in the past we have invited the TREC community to tell us about your latest pubs, and starting now we are doing the PubMed search ourselves with the aim that we'll catch more of your impactful pubs – and we will showcase those that are focused on energy balance and cancer, with a few exceptions! Searches will be monthly, to include in the Newsletter which will now be monthly as well. If we miss of your energy balance and cancer pubs, please don't hesitate to notify Diana and she'll be sure to include in the next edition.

10th Annual TREC Training Workshop: The 2025 TREC Workshop will be held again next year at Water's Edge Resort in Connecticut, June 23-27. **SAVE THE DATES.**

We will soon launch recruitment for TREC-2025 applications! The RFA/advertising blitz will commence by October 15. Diana will ask you all via separate email to help us spread the word – stay tuned for that communication!

Searchable TREC members' database. As a new initiative to facilitate even easier ways to connect our TREC members with one another, we are working on developing a TREC members' database. We credit YOU, our amazing community, for this idea. We'll be reaching out to you this month with more information.

Happy Fall 2024!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Energy Balance and Cancer Publications from the TREC Community in the prior month

These are the pubs from September 2024 -- please notify Diana of any energy balance and cancer pubs missed!

All of the 38 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1. [Testing home-based exercise strategies in underserved minority cancer patients undergoing chemotherapy \(THRIVE\) trial: a study protocol.](#)
Yan H, **Gonzalo-Encabo P**, **Wilson RL**, Christopher CN, Cannon JD, **Kang DW**, Gardiner J, Perez M, Norris MK, Gundersen D, Hayman LL, Freedman RA, Rebbeck TR, Shi L, **Dieli-Conwright CM**.
Front Oncol. 2024 Sep 16;14:1427046. doi: 10.3389/fonc.2024.1427046. eCollection 2024.
PMID: 39351353 **Free PMC article.**
2. [Dietary Counseling Interventions During Radiation Therapy: A Systematic Review of Feasibility, Safety, and Efficacy.](#)
Oppermann A, James S, Minotti MM, Schotz KM, Francis ME, **Kleckner IR**, Vyfhuis MAL, Ferris MJ, Baguley BJ, **Kleckner AS**.
Nutr Cancer. 2024 Sep 28;1-25. doi: 10.1080/01635581.2024.2406999. Online ahead of print.

PMID: 39340400 Review.

3. [Common Bean Suppresses Hepatic Ceramide Metabolism in a Mouse Model of Metabolic Dysfunction-Associated Steatotic Liver Disease.](#)
Fitzgerald VK, Lutsiv T, McGinley JN, Neil ES, **Playdon MC, Thompson HJ.**
Nutrients. 2024 Sep 21;16(18):3196. doi: 10.3390/nu16183196.
PMID: 39339796 **Free PMC article.**
4. [Impact of a Pulse-Enriched Human Cuisine on Functional Attributes of the Gut Microbiome Using a Preclinical Model of Dietary-Induced Chronic Diseases.](#)
Lutsiv T, Neil ES, McGinley JN, Didinger C, Fitzgerald VK, Weir TL, **Hussan H, Hartman TJ, Thompson HJ.**
Nutrients. 2024 Sep 20;16(18):3178. doi: 10.3390/nu16183178.
PMID: 39339778 **Free PMC article.**
5. [Body composition in recurrent prostate cancer and the role of steroidogenic genotype.](#)
Venkatesh N, Tidwell RS, Yu Y, Aparicio A, Zurita AJ, Subudhi SK, Siddiqui BA, Mukhida SS, **Gregg JR, Corn PG, Koutroumpakis E, McQuade JL, Frigo DE, Pilie PG, Huff C, Logothetis CJ, Hahn AW.**
Endocr Relat Cancer. 2024 Sep 1:ERC-24-0195. doi: 10.1530/ERC-24-0195. Online ahead of print.
PMID: 39324992
6. [The challenge of weight gain in hormone receptor-positive breast cancer.](#)
Tsou TC, Connor A, **Sheng JY.**
Oncoscience. 2024 Sep 23;11:67-68. doi: 10.18632/oncoscience.608. eCollection 2024.
PMID: 39314987 **Free PMC article.** No abstract available.
7. [Perioperative, functional, and oncologic outcomes in obese patients undergoing Da Vinci robot-assisted radical prostatectomy: a systematic review and meta-analysis.](#)
Wang CJ, Qin J, Liu Y, Wen Z, Chen CX, Li HY, Huang HT, **Yang L, Yang XS.**
BMC Urol. 2024 Sep 23;24(1):207. doi: 10.1186/s12894-024-01595-5.
PMID: 39313813 **Free PMC article.**
8. [Advancements in Understanding and Preventing Obesity-Related Colon Cancer.](#)
Shieh C, **Thompson HJ, McLaughlin E, Chiang CW, Hussan H.**
Cancer J. 2024 Sep-Oct 01;30(5):357-369. doi: 10.1097/PPO.0000000000000744.
PMID: 39312456 Review.
9. [Ecosystemic Approach to Understanding Gut Microbiome-Mediated Prevention of Colorectal Cancer.](#)
Lutsiv T, **Hussan H, Thompson HJ.**
Cancer J. 2024 Sep-Oct 01;30(5):329-344. doi: 10.1097/PPO.0000000000000743.
PMID: 39312453 Review.
10. [Circulating tryptophan-kynurenine pathway metabolites are associated with all-cause mortality among patients with stage I-III colorectal cancer.](#)
Damerell V, Klaassen-Dekker N, Brezina S, Ose J, Ulvik A, van Roekel EH, Holowatyj AN, Baierl A, Böhm J, Bours MJL, Brenner H, de Wilt JHW, Grady WM, Habermann N, Hoffmeister M, Keski-Rahkonen P, Lin T, Schirmacher P, Schrotz-King P, Ulrich AB, van Duijnhoven FJB, Warby CA, Shibata D, Toriola AT, Figueiredo JC, Siegel EM, Li CI, Gsur A, Kampman E, Schneider M, Ueland PM, Weijenberg MP, Ulrich CM, **Kok DE, Gigic B; FOCUS Consortium.**
Int J Cancer. 2024 Sep 23. doi: 10.1002/ijc.35183. Online ahead of print.
PMID: 39308420
11. [Proximity to cancer rehabilitation and exercise oncology by geography, race, and socioeconomic status.](#)
Schmitz KH, Demanelis K, Crisafio ME, Kennedy MA, Schwartz AL, Campbell A, Gorzelitz J, Wood KC, Wilson CM, Scalise RL, Vincent A.
Cancer. 2024 Sep 22. doi: 10.1002/cncr.35515. Online ahead of print.
PMID: 39306697
12. [Pilot trial testing the effects of exercise on chemotherapy-induced peripheral neurotoxicity \(CIPN\) and the interoceptive brain system.](#)
Kleckner IR, Manuweera T, Lin PJ, Chung KH, Kleckner AS, Gewandter JS, Culakova E, Tivarus ME, Dunne RF, Loh KP, Mohile NA, Kesler SR, Mustian KM.
Support Care Cancer. 2024 Sep 21;32(10):677. doi: 10.1007/s00520-024-08855-y.
PMID: 39304604 Clinical Trial.

13. [Botanical-induced toxicity: Liver injury and botanical-drug interactions. A report on a society of Toxicology Annual Meeting symposium.](#)
Koturbash I, Yeager RP, Mitchell CA, Ferguson S, Navarro VJ, Paine MF, Roe AL.
Regul Toxicol Pharmacol. 2024 Sep 19;153:105708. doi: 10.1016/j.yrtph.2024.105708. Online ahead of print.
PMID: 39304112
14. [Interleukin-15 and high-intensity exercise: relationship with inflammation, body composition and fitness in cancer survivors.](#)
Farley MJ, Boytar AN, Adlard KN, Salisbury CE, Hart NH, Schaumberg MA, Jenkins DG, **Skinner TL**.
J Physiol. 2024 Sep 20. doi: 10.1113/JP286043. Online ahead of print.
PMID: 39303144
15. [Exercise as part of survivorship care in metastatic breast cancer: protocol for the randomized EMBody trial.](#)
Cancilla MA, Nemati D, Halsey D, Shah N, Sherman M, Kelly N, Zhang P, Kassem N, Kaushal N, Shanahan K, Glenn LK, **Ligibel JA, Ballinger TJ**.
BMC Cancer. 2024 Sep 12;24(1):1137. doi: 10.1186/s12885-024-12883-6.
PMID: 39267010 **Free PMC article.** Clinical Trial.
16. [Long-term behavioral symptom clusters among survivors of early-stage breast cancer. development and validation of a predictive model.](#)
Pagliuca M, Havas J, Thomas E, Drouet Y, **Soldato D**, Franzoi MA, Ribeiro J, Chiodi CK, Gillanders E, Pistilli B, Menvielle G, Joly F, Lerebours F, Rigal O, Petit T, Giacchetti S, Dalenc F, Wassermann J, Arsene O, Martin AL, Everhard S, Tredan O, Boyault S, De Laurentiis M, Viari A, Deleuze JF, Bertaut A, André F, Vaz-Luis I, Di Meglio A.
J Natl Cancer Inst. 2024 Sep 9:djae222. doi: 10.1093/jnci/djae222. Online ahead of print.
PMID: 39250750
17. [Effects of a combined exercise and dietary intervention on clinical outcomes in patients with ovarian cancer: the Physical Activity and Dietary intervention in OVarian cancer \(PADOVA\) randomized controlled trial.](#)
Brouwer CG, Hartman YAW, Stelten S, Kenkhuis MF, van Lonkhuijzen LRCW, Kenter GG, Kos M, van de Ven PM, Driel WJV, **Winkels RM**, Bekkers RLM, Ottevanger PB, Hoedjes M, Buffart LM.
Int J Gynecol Cancer. 2024 Sep 7:ijgc-2024-005634. doi: 10.1136/ijgc-2024-005634. Online ahead of print.
PMID: 39244208
18. [Physical and psychological distress amongst patients undergoing neoadjuvant chemotherapy for advanced ovarian cancer.](#)
Mokshagundam S, McGree ME, Tapia AL, Fought AJ, Ishitani KP, Lee MK, Dowdy SC, Yadav S, Pachman DR, **Kumar A**.
Gynecol Oncol. 2024 Sep 5;190:230-235. doi: 10.1016/j.ygyno.2024.08.024. Online ahead of print.
PMID: 39241618
19. [Evaluating concordance between International Myeloma Working Group \(IMWG\) frailty score and simplified frailty scale among older adults with multiple myeloma.](#)
Gahagan A, Maheshwari S, Rangarajan S, Ubersax C, Tucker A, Harmon C, Pasala MS, Bal S, Godby K, Ravi G, Costa LJ, **Williams GR**, Bhatia S, **Giri S**.
J Geriatr Oncol. 2024 Sep 5;15(8):102051. doi: 10.1016/j.jgo.2024.102051. Online ahead of print.
PMID: 39241344
20. [Diabetes risk reduction diet and risk of liver cancer and chronic liver disease mortality: A prospective cohort study.](#)
Chen Y, Zhao L, Jung SY, Pichardo MS, **Lopez-Pentecost M**, Rohan TE, Saquib N, Sun Y, Tabung FK, Zheng T, Wactawski-Wende J, Manson JE, **Neuhouser ML, Zhang X**.
J Intern Med. 2024 Sep 6. doi: 10.1111/joim.20007. Online ahead of print.
PMID: 39239793
21. [Association between frailty and overall survival among older adults with hepatocellular carcinoma.](#)
Ozluk AA, **Williams GR**, Dai C, Goldberg J, Malla M, Pywell C, Siwakoti K, Outlaw DA, Gupta G, El-Rayes B, **Giri S**, Akce M.
J Geriatr Oncol. 2024 Sep;15(7):102045. doi: 10.1016/j.jgo.2024.102045. Epub 2024 Aug 10.
PMID: 39129113
22. [The Carbon Isotope Ratio as an Objective Biomarker of Added Sugar Intake: A Scoping Review of Current Evidence in Human Nutrition.](#)
Tripicchio GL, Smethers AD, Johnson JJ, Olenginski JA, O'Brien DM, Fisher JO, Robinson VA, **Nash SH**.
Adv Nutr. 2024 Sep;15(9):100281. doi: 10.1016/j.advnut.2024.100281. Epub 2024 Jul 31.
PMID: 39094908 **Free PMC article.**

23. [Dietary and lifestyle inflammation scores in relation to colorectal cancer recurrence and all-cause mortality: A longitudinal analysis.](#)
Wesselink E, Boshuizen HC, van Lanen AS, **Kok DE**, Derksen JWG, Smit KC, de Wilt JHW, Koopman M, May AM, Kampman E, van Duijnhoven FJB; COLON and PLCRC studies.
Clin Nutr. 2024 Sep;43(9):2092-2101. doi: 10.1016/j.clnu.2024.07.028. Epub 2024 Jul 26.
PMID: 39094474
24. [Associations of steps per day and step intensity with the risk of cancer: Findings from the Women's Health Accelerometry Collaboration cohort.](#)
Cuthbertson CC, Evenson KR, Wen F, Moore CC, Howard AG, Di C, **Parada H Jr**, Matthews CE, Manson JE, Buring J, Shiroma EJ, LaCroix AZ, Lee IM.
Prev Med. 2024 Sep;186:108070. doi: 10.1016/j.ypmed.2024.108070. Epub 2024 Jul 17.
PMID: 39029743
25. [Length of Overnight Fasting and 6-year Weight Change in the Cancer Prevention Study-3.](#)
McCullough ML, Masters M, Hartman TJ, Flanders WD, **Playdon MC**, Elahy V, Hodge RA, Teras LR, Wang Y, Patel AV.
J Nutr. 2024 Sep;154(9):2834-2842. doi: 10.1016/j.tjnut.2024.07.021. Epub 2024 Jul 16.
PMID: 39025333
26. [Exercise for Prostate Cancer-Worthy Goals but Suboptimal Trial Designs.](#)
Neuhouser ML, Schenk JM, Wright JL.
JAMA Oncol. 2024 Sep 1;10(9):1177-1178. doi: 10.1001/jamaoncol.2024.2057.
PMID: 39023913 No abstract available.
27. [Exercise and Physical Medicine Interventions for Managing Chemotherapy-Induced Peripheral Neuropathy.](#)
Gupta A, **Kleckner IR**, Lustberg MB.
JAMA Intern Med. 2024 Sep 1;184(9):1053-1055. doi: 10.1001/jamainternmed.2024.2367.
PMID: 38949805 No abstract available.
28. [Evaluating nutrition in advanced ovarian cancer: which biomarker works best?](#)
Fumagalli D, Sonik R, De Vitis LA, Rossi V, Bazzurini L, McGree ME, Fought AJ, Mariani A, Cliby WA, **Kumar A**.
Gynecol Oncol. 2024 Sep;188:97-102. doi: 10.1016/j.ygyno.2024.06.021. Epub 2024 Jun 28.
PMID: 38943693
29. [Association of malnutrition with geriatric assessment impairments and health-related quality of life among older adults with head and neck cancers.](#)
Siwakoti K, Nabell L, McDonald AM, **Williams GR**.
J Geriatr Oncol. 2024 Sep;15(7):101818. doi: 10.1016/j.jgo.2024.101818. Epub 2024 Jun 28.
PMID: 38942691 No abstract available.
30. [Acupuncture for hot flashes in hormone receptor-positive breast cancer: A pooled analysis of individual patient data from parallel randomized trials.](#)
Lu W, Giobbie-Hurder A, Tanasijevic A, Kassis SB, Park SH, Jeong YJ, Shin IH, Yao C, Jung HJ, Zhu Z, Bao C, Bao T, Yang E, Bierer BE, **Ligibel JA**.
Cancer. 2024 Sep 15;130(18):3219-3228. doi: 10.1002/cncr.35374. Epub 2024 Jun 24.
PMID: 38924035 Clinical Trial.
31. [Social and Structural Determinants of Health and Social Injustices Contributing to Obesity Disparities.](#)
Williams MS, McKinney SJ, Cheskin LJ.
Curr Obes Rep. 2024 Sep;13(3):617-625. doi: 10.1007/s13679-024-00578-9. Epub 2024 Jun 15.
PMID: 38878122 **Free PMC article.** Review.
32. [Dose/Exposure Relationship of Exercise and Distant Recurrence in Primary Breast Cancer.](#)
Soldato D, Michiels S, Havas J, Di Meglio A, Pagliuca M, Franzoi MA, Pistilli B, **Iyengar NM**, Cottu P, Lerebours F, Coutant C, Bertaut A, Tredan O, Vanlemmens L, Jouannaud C, Hrab I, Everhard S, Martin AL, André F, Vaz-Luis I, Jones LW.
J Clin Oncol. 2024 Sep 1;42(25):3022-3032. doi: 10.1200/JCO.23.01959. Epub 2024 Jun 5.
PMID: 38838281 **Free PMC article.**
33. [Adult obesity treatment and prevention: A trans-agency commentary on the research landscape, gaps, and future opportunities.](#)
Hoffman RK, Donze LF, **Agurs-Collins T**, Belay B, Berrigan D, Blanck HM, Brandau A, Chue A, Czajkowski S, Dillon G, Kompaniyets L, Kowtha B, Li R, Mujuru P, Mudd L, **Nebeling L**, Tomoyasu N, Young-Hyman D, Zheng XT, Pratt C.

Obes Rev. 2024 Sep;25(9):e13769. doi: 10.1111/obr.13769. Epub 2024 Jun 3.

PMID: 38830619 **Free PMC article.** Review.

34. [Breast cancer incidence and mortality by metabolic syndrome and obesity: The Women's Health Initiative.](#)
Chlebowski RT, Aragaki AK, Pan K, Simon MS, **Neuhouser ML**, Haque R, Rohan TE, Wactawski-Wende J, Orchard TS, Mortimer JE, Lane D, Kaunitz AM, Desai P, Wild RA, Barac A, Manson JE.
Cancer. 2024 Sep 15;130(18):3147-3156. doi: 10.1002/cncr.35318. Epub 2024 May 13.
PMID: 38736319 Clinical Trial.
35. [Associations between low- and high-fat dairy intake and recurrence risk in people with stage I-III colorectal cancer differ by sex and primary tumour location.](#)
van Lanen AS, **Kok DE**, Wesselink E, Derksen JWG, May AM, Smit KC, Koopman M, de Wilt J, Kampman E, van Duijnhoven FJB; COLON and PLCRC studies.
Int J Cancer. 2024 Sep 1;155(5):828-838. doi: 10.1002/ijc.34959. Epub 2024 May 3.
PMID: 38700376
36. [Second primary cancer risks according to race and ethnicity among U.S. breast cancer survivors.](#)
Brandt C, Vo JB, Gierach GL, Cheng I, Torres VN, Lawrence WR, **McCullough LE**, Veiga LHS, Berrington de González A, Ramin C
Int J Cancer. 2024 Sep 15;155(6):996-1006. doi: 10.1002/ijc.34971. Epub 2024 Apr 29.
PMID: 38685564
37. [Resistance Exercise and Skeletal Muscle-Related Outcomes in Patients with Cancer: A Systematic Review.](#)
Kang DW, Dawson JK, Barnes O, **Wilson RL**, Norris MK, **Gonzalo-Encabo P**, Christopher CN, Ficarra S, **Dieli-Conwright CM**.
Med Sci Sports Exerc. 2024 Sep 1;56(9):1747-1758. doi: 10.1249/MSS.0000000000003452. Epub 2024 Jun 25.
PMID: 38650124
38. [Dietary biomarkers-an update on their validity and applicability in epidemiological studies.](#)
Landberg R, Karra P, Hoobler R, Loftfield E, Huybrechts I, Rattner JI, Noerman S, Claeys L, Neveu V, Vidkjaer NH, Savolainen O, **Playdon MC**, Scalbert A.
Nutr Rev. 2024 Sep 1;82(9):1260-1280. doi: 10.1093/nutrit/nuad119.
PMID: 37791499 **Free PMC article.** Review.

Grants Awarded

What are YOUR new grants? Please notify Diana who will showcase in the next newsletter!

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Pedro Saint-Maurice, PhD, 2020 TREC Fellow has moved overseas to Portugal for a new position in Portugal at a cancer center in Lisbon (Champalimaud Foundation) where he has started an exercise oncology lab. Pedro can now be reached at pedro.saintmaurice@research.fchampalimaud.org. *That is super exciting, Pedro, congrats!*

Mo Adedipe (formerly Ogansanya), PhD, 2020 TREC Fellow is excited to share that this past summer she was promoted and received tenure and has received [another DOD grant](#) for her research. Mo says,

"TREC has been an integral part of my career. The last TREC meeting I attended was very pivotal. I left that meeting feeling my academic worth again because of the people I interacted with who reminded me of who I am and what I have to contribute to the field. I want to thank everyone in TREC for creating such a wholesome space."

Xiaochen Zhang, PhD, MPH, MBS, 2023 TREC Fellow was recently promoted to Assistant Professor in the Division of Cancer Prevention and Control, Department of Internal Medicine, College of Medicine, The Ohio State University. Xiaochen's new email address is xiaochen.zhang@osumc.edu. *Congrats, Xiaochen, and welcome back to Ohio!*

Do YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

TREC Fellow Dr. Justin Brown is serving as guest editor for the Journal of *Cancer Causes & Control* on the topic of **mindfulness and energy balance**. [Find the link for the call here](#).

Conferences/Webinars

Disseminate your work – and please remember to cite TREC if relevant!

TREC WEBINARS – Series 6 (Academic year 2024-2025)

Our current webinar series kicked off on September 25 – thanks to our amazing speakers and to all who attended. All TREC fellows past and present are invited to present at a Webinar! All slots are filled for this year, but if you want to be assured a slot for Season 7, please reach out to Diana at dlowry@fredhutch.org.

Talk titles will be distributed several days in advance, and webinars will be posted to the TREC members website (pending speaker permission).

Speaking of webinar recordings: Did you miss any of the prior webinars or want to watch them again? Prior recordings are up on the TREC members website: TRECTraining.yale.edu – located on the password-protected members page.

And a reminder about the TREC member password-protected portal: Yale requires that each TREC member has his/her own password. If you need help logging into the members portal, please notify Diana and she will connect you with Yale IT.

Would you like to announce other event(s) of interest to TREC members? Notify Diana with details for next newsletter!

Position Announcements

Notify Diana of position announcements to include in the November newsletter!

ICYMI: In Case You Missed it!

NAS Roundtable on Obesity Medications and Obesity: Exploring the Landscape and Advancing Comprehensive Care. Workshop was recorded and is available [here](#).

NCI Notice of Special Interest – NCI Supports Applications for the Mentored Research Scientist Development Awards (K01). Cancer control science is defined as basic and applied research in the behavioral, social, and population sciences to create or enhance interventions that, independently or in combination with biomedical approaches reduce cancer risk, incidence, morbidity, and mortality, and improve quality of life. DCCPS has several broad areas of interest: development and validation of methods, technologies, and tools in surveillance, statistics, epidemiology, health care delivery, and the behavioral sciences; identification of modifiable risk factors or host susceptibility factors associated with cancer etiology, cancer prevention, and treatment outcomes; and clinical and translational science to reduce risk, incidence, and death from cancer, as well as enhance the quality of life for cancer survivors. DCCPS also has an interest in cross-cutting themes, [health disparities and health equity](#), [implementation science](#), and [cancer survivorship](#). [NOT-CA-24-022](#). Expires May 08, 2029

iCure Accepting Applications Until November 25. The Intramural Continuing Umbrella of Research Experiences (iCURE) program is now accepting applications for Fall 2025 research experiences. NCI is particularly interested in encouraging applications from individuals who are from diverse backgrounds, including those from groups what are underrepresented in the cancer research workforce. An iCURE scholar ust be a US citizen, non-citizen national, or an individual who has beenlawfully admitted for permanent residence in the United States. [Click here for more information and to apply.](#)

RFI: NOT-DK-24-026 – Research Strategies for Addressing Obesity Heterogeneity.

Obesity is increasingly recognized as a heterogeneous disease, with varying effects and causes, like other complex chronic disorders. Eight Institutes and Offices across NIH have issued a Request for Information (RFI), “NOT-DK-24-026: Research Strategies for Addressing Obesity Heterogeneity”, which invites input from a wide range of stakeholders (researchers, public, payers, industry) on research strategies to address obesity heterogeneity. We are interested in information to guide us in identifying promising research strategies to address obesity heterogeneity in the U.S. The deadline for submitting responses is Nov. 29, 2024. <https://grants.nih.gov/grants/guide/notice-files/NOT-DK-24-026.html>

Notify Diana at any time of items you’d like to disseminate to the TREC Community!

TREC Connects! Volume 6, Issue 1 (October 2024)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 6, Issue 2. November 2024

Greetings!

Dear TREC Faculty, Fellows and Friends,
Welcome to the November 2024 edition of *TREC Connects*!

This month we are showcasing:

October 2024 publications. Curated from PubMed, manuscripts published last month with at least one author from the TREC community. Wow you have been busy - 36 pubs! – if we missed any of your energy balance and cancer pubs from October 2024, please notify Diana and she'll include it in our next newsletter.

10th Annual TREC Training Workshop: Recruitment for the 2025 TREC Workshop has launched! The RFA/advertising blitz is underway. Please help us spread the word! The event will be held again at Water's Edge Resort in Connecticut, June 23-27.

Searchable TREC members' database. As mentioned in last month's newsletter, we are working on developing this resource and will be reaching out to you soon with more information.

TREC Collaborations! We are working on our TREC Progress Report and would like to showcase all of your TREC connections and collaborations that you have had within our TREC community, to date. Please email Diana by Nov 18 and list your collaborations that have occurred because of TREC. Could be co-authored a paper with other TREC member(s), submission of a grant or other project that directly came out of your experiences with TREC, etc. We will compile your lists both for the Progress Report as well as for an eventual TREC competitive renewal.

Happy November!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Energy Balance and Cancer Publications from the TREC Community in the prior month

These are your energy balance and cancer manuscripts published in October 2024 -- please notify Diana of any missed!

All of the 36 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1. [Planning and evaluating an integrated clinical exercise oncology service: an exploratory mixed-methods study.](#)
Fairman CM, Harrington SE, Schumpp AR, Brooks AM, Jones MJ, Kim J, **Kennedy MA**.
BMC Health Serv Res. 2024 Oct 31;24(1):1318. doi: 10.1186/s12913-024-11797-0.
PMID: 39478564 **Free PMC article**.
2. [Muscle inflammation is regulated by NF-κB from multiple cells to control distinct states of wasting in cancer cachexia.](#)
Pryce BR, Oles A, **Talbert EE**, Romeo MJ, Vaena S, Sharma S, Spadafora V, Tolliver L, Mahvi DA, Morgan KA, Lancaster WP, Beal E, Koren N, Watts B, Overstreet M, Berto S, Subramanian S, Calisir K, Crawford A, Neelon B, Ostrowski MC, Zimmers TA, Tidball JG, Wang DJ, Guttridge DC.
Cell Rep. 2024 Oct 29;43(11):114925. doi: 10.1016/j.celrep.2024.114925. Online ahead of print.
PMID: 39475511

3. [Cancer cachexia and weight loss prior to CAR T-cell therapy for lymphoma are independently associated with poor outcomes.](#)
Valtis YK, Devlin SM, Shouval R, Rejeski K, Corona M, Luna De Abia A, Rivas-Delgado A, Luttwak E, Cassanello G, Landego I Dr, Schöder H, Bedmutha A, Boardman AP, Shah GL, Scordo M, Perales MA, Salles GA, Palomba ML, **Shah UA**, Park JH.
Blood Adv. 2024 Oct 29;bloodadvances.2024014555. doi: 10.1182/bloodadvances.2024014555. Online ahead of print.
PMID: 39471490
4. [Distress and inflammation are independently associated with cancer-related symptom severity.](#)
Lacourt TE, Tripathy D, **Swartz MC**, **LaVoy EC**, Heijnen CJ.
Compr Psychoneuroendocrinol. 2024 Oct 11;20:100269. doi: 10.1016/j.cpnec.2024.100269. eCollection 2024 Nov.
PMID: 39469338 **Free PMC article.**
5. [Ten challenges and opportunities in computational immuno-oncology.](#)
Bao R, Hutson A, Madabhushi A, Jonsson VD, **Rosario SR**, Barnholtz-Sloan JS, Fertig EJ, Marathe H, Harris L, Altreuter J, Chen Q, Dignam J, Gentles AJ, Gonzalez-Kozlova E, Gnjjatic S, Kim E, Long M, Morgan M, Ruppini E, Valen DV, Zhang H, Vokes N, Meerzaman D, Liu S, Van Allen EM, Xing Y.
J Immunother Cancer. 2024 Oct 26;12(10):e009721. doi: 10.1136/jitc-2024-009721.
PMID: 39461879 Review.
6. [DSHEA 1994 - Celebrating 30 Years of Dietary Supplement Regulation in the United States.](#)
Wallace TC, **Koturbash I**.
J Diet Suppl. 2024 Oct 25;1-8. doi: 10.1080/19390211.2024.2419434. Online ahead of print.
PMID: 39449550
7. [Motivated information avoidance in an mHealth weight loss intervention: Associations between unmet behavioral goals and likelihood of viewing program messages.](#)
Hurley L, Nezami BT, **Valle CG**, Tate DF.
Digit Health. 2024 Oct 21;10:20552076241287365. doi: 10.1177/20552076241287365. eCollection 2024 Jan-Dec.
PMID: 39439727 **Free PMC article.**
8. [Obesity and leptin in breast cancer angiogenesis.](#)
Lagarde CB, Thapa K, Cullen NM, Hawes ML, Salim K, Benz MC, Dietrich SR, Burow BE, Bunnell BA, **Martin EC**, Collins-Burow BM, Lynch RM, Hoang VT, Burow ME, Fang JS.
Front Endocrinol (Lausanne). 2024 Oct 8;15:1465727. doi: 10.3389/fendo.2024.1465727. eCollection 2024.
PMID: 39439572 **Free PMC article.** Review.
9. [Young Black Women's Breast Cancer Knowledge and Beliefs: A Sequential Explanatory Mixed Methods Study.](#)
Ilodiana C, **Williams MS**.
J Racial Ethn Health Disparities. 2024 Oct 22. doi: 10.1007/s40615-024-02208-5. Online ahead of print.
PMID: 39438416
10. [Residential Relocation of Community-Dwelling Older Adults: The Role of Physical Function and the Housing Environment.](#)
Jensen-Battaglia M, **Loh KP**, Wang Y, Block RC, Mohile SG, Agree EM, Seplaki CL.
J Aging Health. 2024 Oct 22;8982643241293585. doi: 10.1177/08982643241293585. Online ahead of print.
PMID: 39437448
11. [Evaluation of inter- and intra-variability in gut health markers in healthy adults using an optimised faecal sampling and processing method.](#)
Kruger K, Myeonghyun Y, van der Wielen N, **Kok DE**, Hooiveld GJ, Keshtkar S, Diepeveen-de Bruin M, Balvers MGJ, Grootte-Bromhaar M, Mudde K, Ly NTHN, Vermeiren Y, de Groot LCPGM, de Vos RCH, Gonzales GB, Steegenga WT, van Trijp MPH.
Sci Rep. 2024 Oct 19;14(1):24580. doi: 10.1038/s41598-024-75477-z.
PMID: 39427011 **Free PMC article.**
12. [A pilot study to establish feasibility and acceptability of a yoga and self-management education intervention to support caregivers and care receivers with persistent pain.](#)
Schmid AA, Fruhauf CA, Fox AL, Sharp JL, Portz JD, **Leach HJ**, Van Puymbroeck M.
Front Rehabil Sci. 2024 Oct 3;5:1397220. doi: 10.3389/fresc.2024.1397220. eCollection 2024.
PMID: 39421567 **Free PMC article.**
13. [Development of an accelerometer age- and sex-specific approach based on population-standardized values for physical activity surveillance: A proof of concept.](#)
Migueles JH, Cadenas-Sanchez C, Butera NM, Bassett DR, Wolff-Hughes DL, Schrack JA, **Saint-Maurice PF**, Shiroma EJ.

J Sport Health Sci. 2024 Oct 16:100995. doi: 10.1016/j.jshs.2024.100995. Online ahead of print.
PMID: 39419307

14. [Patient preferences for intervention in the setting of precursor multiple myeloma.](#)
Marinac CR, Downey K, Perry J, Fisher-Longden B, Rebbeck TR, **Shah UA**, O'Donnell EK, Ghobrial IM, Nadeem O, Egleston BL.
Blood Cancer J. 2024 Oct 14;14(1):175. doi: 10.1038/s41408-024-01161-0.
PMID: 39402022 **Free PMC article**. No abstract available.
15. [Machine learning and explainable artificial intelligence to predict pathologic stage in men with localized prostate cancer.](#)
Semwal H, Ladbury C, Sabbagh A, Mohamad O, Tilki D, Amini A, Wong J, **Li YR**, Glaser S, Yuh B, Dandapani S.
Prostate. 2024 Oct 13. doi: 10.1002/pros.24793. Online ahead of print.
PMID: 39400372
16. [Hiding in plain sight: Cooperative Extension as an underutilized approach to improving cancer survivorship outcomes in underserved populations.](#)
Pitasi O, Hildebrand D, Liebe R, Joyce J, Nagykaldi Z, **Robertson MC**, Braun A.
J Cancer Surviv. 2024 Oct 10. doi: 10.1007/s11764-024-01687-z. Online ahead of print.
PMID: 39388009
17. [Real-World Immune-Related Adverse Events in Patients With Early Triple-Negative Breast Cancer Who Received Pembrolizumab.](#)
Jayan A, **Sukumar JS**, Fangman B, Patel T, Raghavendra AS, Liu D, Pasyar S, Rauch R, **Basen-Engquist K**, Tripathy D, **Wang Y**, Khan SS, Barcenas CH.
JCO Oncol Pract. 2024 Oct 10:OP2400371. doi: 10.1200/OP.24.00371. Online ahead of print.
PMID: 39388649
18. [Physical activity, metabolites, and breast cancer associations.](#)
Watts EL, Moore SC, Abar L, Hong HG, **Saint-Maurice PF**, O'Connell C, Matthews CE, **Loftfield E**.
J Natl Cancer Inst. 2024 Oct 9:djae246. doi: 10.1093/jnci/djae246. Online ahead of print.
PMID: 39383198
19. [Experiences of Racism in Health Care and Medical Mistrust Shape Cancer Prevention and Control Behaviors Among Black Residents of Black Hawk County, Iowa: A Qualitative Study.](#)
Williams ANT, VanArsdale A, **Hirschey R**, Askelson N, **Nash SH**.
J Racial Ethn Health Disparities. 2024 Oct 8. doi: 10.1007/s40615-024-02199-3. Online ahead of print.
PMID: 39379789
20. [Dietary quality and chemotherapy-induced peripheral neuropathy in colon cancer.](#)
Compton SLE, Yang S, Madere J, Weltzien EK, **Caan BJ**, Meyerhardt JA, **Schmitz KH**, **Brown JC**.
Cancer. 2024 Oct 5. doi: 10.1002/cncr.35599. Online ahead of print.
PMID: 39369275
21. [Patterns of dietary quality, physical activity, and sleep duration among cancer survivors and caregivers.](#)
Skiba MB, Badger TA, Pace TWW, Grandner MA, Haynes PL, Segrin C, Fox RS.
J Behav Med. 2024 Oct 2. doi: 10.1007/s10865-024-00523-0. Online ahead of print.
PMID: 39356453
22. [Body composition in recurrent prostate cancer and the role of steroidogenic genotype.](#)
Venkatesh N, Tidwell RS, Yu Y, Aparicio A, Zurita AJ, Subudhi SK, Siddiqui BA, Mukhida SS, **Gregg JR**, Corn PG, Koutroumpakis E, **McQuade JL**, Frigo DE, Pilie PG, Huff C, Logothesis CJ, Hahn AW.
Endocr Relat Cancer. 2024 Oct 29;31(12):e240195. doi: 10.1530/ERC-24-0195. Print 2024 Dec 1.
PMID: 39324992
23. [Interleukin-15 and high-intensity exercise: relationship with inflammation, body composition and fitness in cancer survivors.](#)
Farley MJ, Boytar AN, Adlard KN, Salisbury CE, Hart NH, Schaumberg MA, Jenkins DG, **Skinner TL**.
J Physiol. 2024 Oct;602(20):5203-5215. doi: 10.1113/JP286043. Epub 2024 Sep 20.
PMID: 39303144
24. [Health text simplification: An annotated corpus for digestive cancer education and novel strategies for reinforcement learning.](#)
Rahman MM, Irbaz MS, North K, **Williams MS**, Zampieri M, Lybarger K.
J Biomed Inform. 2024 Oct;158:104727. doi: 10.1016/j.jbi.2024.104727. Epub 2024 Sep 16.
PMID: 39293643

25. [Food biodiversity and gastrointestinal cancer risk in nine European countries: Analysis within a prospective cohort study.](#)
Huybrechts I, Chimera B, Hanley-Cook GT, Biessy C, Deschasaux-Tanguy M, Touvier M, Kesse-Guyot E, Srouf B, Baudry J, Berlivet J, Casagrande C, Nicolas G, Lopez JB, Millett CJ, Cakmak EK, Robinson OJK, Murray KA, Schulze MB, Masala G, Guevara M, Bodén S, Cross AJ, Tsilidis K, Heath AK, Panico S, Amiano P, Huerta JM, Key T, Ericson U, Stocks T, Lundblad MW, Skeie G, Sacerdote C, Katzke V, **Playdon MC**, Ferrari P, Vineis P, Lachat C, Gunter MJ.
Eur J Cancer. 2024 Oct;210:114258. doi: 10.1016/j.ejca.2024.114258. Epub 2024 Aug 3.
PMID: 39168001
26. [Patterns of Physical Therapy Referral and Subsequent Attendance Among Childhood Cancer Survivors with Chemotherapy-Induced Peripheral Neuropathy at a Regional Childhood Cancer Survivorship Clinic.](#)
Kang L, **Kadan-Lottick NS**, Rotatori J, Kujawski SE, Messerschmidt E, Auerbach C, Balsamo LM, Lustberg MB, Ma X, **Rodwin RL**.
Semin Oncol Nurs. 2024 Oct;40(5):151716. doi: 10.1016/j.soncn.2024.151716. Epub 2024 Aug 19.
PMID: 39164160
27. [Radiodensities of Skeletal Muscle and Visceral Adipose Tissues Are Prognostic Factors in Clear-Cell Renal Cell Carcinoma.](#)
Bradshaw PT, Olsson LT, Sanchez A, Knezevic A, Akin O, Scott JM, Hakimi AA, Russo P, **Caan BJ**, Mourtzakis M, Furberg H.
Cancer Epidemiol Biomarkers Prev. 2024 Oct 2;33(10):1375-1382. doi: 10.1158/1055-9965.EPI-24-0306.
PMID: 39073365
28. [The Physical Activity and Cancer Control \(PACC\) framework: update on the evidence, guidelines, and future research priorities.](#)
Yang L, Courneya KS, Friedenreich CM.
Br J Cancer. 2024 Oct;131(6):957-969. doi: 10.1038/s41416-024-02748-x. Epub 2024 Jun 27.
PMID: 38926526 **Free PMC article.** Review.
29. [Aging precisely: Precision medicine through the lens of an older adult.](#)
Austin CA, Seligman B, Shan-Bala S, Kuchel GA, **Loh KP**, Kistler CE, Batsis JA.
J Am Geriatr Soc. 2024 Oct;72(10):2972-2980. doi: 10.1111/jgs.19036. Epub 2024 Jun 18.
PMID: 38888213 Review.
30. [A Mixed-Methods Feasibility Study Linking a Community-Based Weight Loss Program with an African American Breast Cancer Support Group.](#)
Kane RM, Lowe M, Fish LJ, Makarushka C, Zullig LL, **Mitchell NS**.
J Gen Intern Med. 2024 Oct;39(13):2618-2620. doi: 10.1007/s11606-024-08714-w. Epub 2024 Jun 17.
PMID: 38886323 No abstract available.
31. [Metabolic Dysregulation and Cancer Risk Program \(MeDOC\): a transdisciplinary approach to obesity-associated cancers.](#)
Lam TK, Daschner P, Ishibe N, Wali A, Hall K, Czajkowski S, Mahabir S, Watson JM, **Nebeling L, Ross S**, Sauter E.
J Natl Cancer Inst. 2024 Oct 1;116(10):1555-1561. doi: 10.1093/jnci/djae134.
PMID: 38885413 **Free PMC article.**
32. [Intrinsic capacity and survival among older adults with gastrointestinal malignancies: The Cancer and Aging Resilience Evaluation registry.](#)
Maheshwari S, Dai C, **Giri S**, Harmon C, Tucker A, Fowler ME, Outlaw D, **Williams GR**.
Cancer. 2024 Oct 15;130(20):3530-3539. doi: 10.1002/cncr.35427. Epub 2024 Jun 12.
PMID: 38865419
33. [Implementing a behavioral physical activity program in children and adolescent survivors of childhood cancer: a pilot randomized controlled trial.](#)
Caru M, **Dandekar S**, Gordon B, Conroy DE, Barb ED, Doerksen SE, Smink GM, McKeone DJ, Shah NB, Greiner RJ, Schramm JW, Rao P, McGregor L, **Schmitz KH**.
J Behav Med. 2024 Oct;47(5):792-803. doi: 10.1007/s10865-024-00497-z. Epub 2024 May 12.
PMID: 38735024 Clinical Trial.
34. [Arriba por la Vida Estudio: a randomized controlled trial promoting standing behavior to reduce sitting time among postmenopausal Latinas.](#)
Talavera GA, Castañeda SF, Lopez-Gurrola MD, Alvarez-Malo AR, Hernandez J, Estrada I, Narayan U, Ruetuer C, Natarajan L, **Sears DD**, Takemoto M, Chang YJ, Avitia Y, Haimovich A, Ornelas L, De La Torre A, Carlson J, Allison MA.
J Behav Med. 2024 Oct;47(5):782-791. doi: 10.1007/s10865-024-00493-3. Epub 2024 May 9.
PMID: 38722441 Clinical Trial.

35. [Factors associated with weight gain in pre- and post-menopausal women receiving adjuvant endocrine therapy for breast cancer.](#)
Uhelski AR, Blackford AL, **Sheng JY**, Snyder C, Lehman J, Visvanathan K, Lim D, Stearns V, Smith KL.
J Cancer Surviv. 2024 Oct;18(5):1683-1696. doi: 10.1007/s11764-023-01408-y. Epub 2023 Jun 1.
PMID: 37261654 **Free PMC article.**
36. [Breast cancer survivors' exercise preferences change during an exercise intervention are associated with post-intervention physical activity.](#)
Schleicher E, McAuley E, **Courneya KS**, Anton P, **Ehlers DK**, **Phillips SM**, **Brown NI**, Oster RA, Pekmezi D, Rogers LQ.
J Cancer Surviv. 2024 Oct;18(5):1453-1463. doi: 10.1007/s11764-023-01389-y. Epub 2023 Apr 29.
PMID: 37120460 Clinical Trial.

Additional manuscripts not listed above but which TREC Member(s) wanted to be sure you see!

[The associations of muscle-strengthening exercise with recurrence and mortality among breast cancer survivors: a systematic review.](#) Wilson OWA, Wojcik KM, Kamil D, **Gorzelitz J**, Butera G, Matthews CE, Jayasekera J.
Int J Behav Nutr Phys Act. 2024 Sep 10;21(1):100. doi: 10.1186/s12966-024-01644-0. PMID: 39256770; PMCID: PMC11389293.

[Associations Between Rehabilitation Utilization and Out-of-Pocket Costs Among Older Adults With Breast Cancer in the United States.](#) Brick R, Williams CP, Deng L, Mollica MA, Stout N, **Gorzelitz J**. Arch Phys Med Rehabil. 2024 Aug 21:S0003-9993(24)01172-9. doi: 10.1016/j.apmr.2024.08.002. Epub ahead of print. PMID: 39173732.

[Sociodemographic and clinical characteristics associated with rehabilitation services utilization in older women with early-stage breast cancer from SEER-Medicare 2009-2018.](#) **Gorzelitz JS**, Brick R, Deng L, Mollica M, Stout N, Stoller S, Williams CP. J Cancer Surviv. 2024 Aug 8. doi: 10.1007/s11764-024-01651-x. Epub ahead of print. PMID: 39115791.

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Jasmine Sukumar, MD. 2021 TREC Fellow
The Robert A Winn Diversity in Clinical Trials Career Development Award

PI: Ryan Marker, PhD. 2024 TREC Fellow
Ryan presented this grant proposal at TREC-2024 and has now received the NOA! *Congrats, Ryan!*
Title: Effects of a telehealth exercise program for rural cancer survivors with cancer-related fatigue including integrated longitudinal assessments of objective physical function and fatty acid oxidation
Mechanism: R01, National Cancer Institute

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:
all updated email addresses will be published in next TREC Directory (on members' website)

Paola Gonzalo Encabo, PhD, 2023 TREC Fellow has moved overseas to Madrid, Spain having accepted a promotion to Assistant Professor at the University of Alcalá, Department of Biomedical Sciences. Paola can now be reached at paola.gonzalo@uah.es
This is super exciting, Paola, ¡Felicidades!

Nashira Brown, PhD, 2023 TREC Fellow has moved to University of Alabama where she is now an Assistant Professor in the Department of Health Behavior at the School of Public Health. Nashira focuses on addressing cancer health disparities and associated modifiable risk factors, with a particular emphasis on physical activity. Nashira can now be reached at nashirab@uab.edu. *Congrats on your promotion, Nashira!*

Gwendolyn Thomas, 2020 Fellow is now working at PCORI as a Merit Review Officer! You can find Gwendolyn at Gthomas@pcori.org. *Congrats on landing this new position, Gwendolyn!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

A reminder that TREC Fellow Dr. Justin Brown is serving as guest editor for the Journal of *Cancer Causes & Control* on the topic of **mindfulness and energy balance**. This [opportunity](#) is open for submissions through 30 November 2024.

Conferences/Webinars

Disseminate your work – and please remember to cite TREC if relevant!

Physical Activity and Cancer Meeting – Lisbon, Portugal – April 3-4, 2025

TREC Fellow (2020) Pedro Saint-Maurice is organizing a conference in Lisbon next year! Registration is now open. See flyer below and more details here <https://movingbeyond.pt/>



TREC Webinar Series - next scheduled is November 20, 2024 at 10-11am Pacific Time (1-2pm Eastern)!

Presenters:

Amber Kleckner, PhD. TREC Fellow 2022

Ryan Marker, PhD, DPT. TREC Fellow 2024

Webinar Zoom Link – previously distributed via a calendar hold from Diana but here it is again:

<https://us02web.zoom.us/j/84848439722?pwd=tCqhijQdebFy0q2ac9Ei5Hzpoc31da.1>

Meeting ID: 848 4843 9722 Passcode: 188301

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Would you like to announce other event(s) of interest to TREC members? Notify Diana with details for next newsletter!

Position Announcements

Assistant/Associate Professor of Epidemiology – Educator-Scholar Track – Yale University, New Haven, CT

This position is for applications from anyone with a strong background in epidemiologic methods and an interest in teaching. **Dr. Leah Ferrucci (2017 TREC Fellow)** advises that while this position is not TREC specific in terms of a content area, it might be of interest to some. <http://apply.interfolio.com/149768>

Assistant/Associate Professor in the Division of Population Sciences, Dana Farber Cancer Institute, Boston, MA

This search committee is being chaired by **Dr. Christina Dieli-Conwright (2017 TREC Fellow)**.

<https://careercenter.asco.org/job/7622978/assistant-or-associate-professor-division-of-population-sciences/>

Open Rank Tenure-Track Faculty Position in the Department of Exercise Science, University of South Carolina, Columbia, SC

<https://uscjobs.sc.edu/postings/158059>.

Two Open Rank Faculty Positions, Department of Nutrition, University of North Carolina at Chapel Hill

The Department of Nutrition in the Gillings School of Global Public Health and School of Medicine at the University of North Carolina at Chapel Hill is seeking candidates for **two open-rank faculty positions (one in basic sciences, one in behavioral and/or intervention sciences)**, with a focus on expertise in nutrition and aging research. We are also open to other areas of study related to nutrition. This posting can be accessed directly at <https://unc.peopleadmin.com/postings/290254>

Please feel free to contact **Carmina Valle, PhD, MPH (2019 TREC Fellow)**, carmina.valle@unc.edu, Search Committee Co-Chair) if you have any questions regarding these positions.

Notify Diana of position announcements to include in the December newsletter!

ICYMI: In Case You Missed it!

Apply by January 31, 2025 for NCI Administrative Supplements for Assessing Capacity to Address Obesity for Cancer Prevention and Control. This Notice of Special Interest (NOSI) [NOT-CA-25-004](#) encourages NCI-funded investigators to apply for administrative supplement funds to support research addressing obesity for cancer prevention and control.

There will be a pre-application webinar on November 18, 2024, from 1:00 – 2:00 p.m. ET. Participation in this webinar, although highly encouraged, is optional and is not required for the submission of an application in response to NOT-CA-25-004. To register for the webinar, please go to <https://nih.zoomgov.com/meeting/register/vJltcu2qpzluGYLTUEbnP0v1f1RZ9QdP5A>

National Cancer Institute – Behavioral Research Program Data Resources

Search for and find data and resources that support researchers in conducting behavioral research. Explore selected data collection and analysis tools, cancer control publications, and other resources. <https://cancercontrol.cancer.gov/brp/research>

Notify Diana at any time of items you'd like to disseminate to the TREC Community!

TREC Connects! Volume 6, Issue 2 (November 2024)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop: TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 6, Issue 3. December 2024

Greetings!

Dear TREC Faculty, Fellows and Friends,
Happy Holidays from TREC! We hope you enjoy this month's edition of *TREC Connects*!

This month we are showcasing:

November 2024 publications. Curated from PubMed, manuscripts published last month with at least one author from the TREC community. Oh my – with 45 pubs you have been even busier than the prior month! If we missed any of your energy balance and cancer pubs from November 2024, please notify Diana and she'll include it in our next newsletter.

New Grants. Check it out below – quite a few new grants awarded to several of you recently – *congratulations!!*

10th Annual TREC Training Workshop: Recruitment for the 2025 TREC Workshop well underway! Many thanks to those of you who have helped us spread the word. NOIs are due this month; full applications due Jan 15. Once we have our new fellows identified, the 2025 curriculum will be tailored to their research interests, and applicable TREC Fellow Alumni and Faculty will be invited to attend. **If you haven't yet, please save the dates for June 23-27, 2025 at Water's Edge Resort.**

Searchable TREC members' database. We are continuing work on developing this resource and will be reaching out to you soon with more information.

TREC Collaborations! Thank you to many who responded to our call you to tell us about all of your TREC connections and collaborations that you have had within our TREC community, to date. This information will be showcased in our TREC Progress Report and for our eventual TREC competitive renewal which we will draft next Fall.

Happy Holidays!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Energy Balance and Cancer Publications from the TREC Community in the prior month

These are your energy balance and cancer manuscripts published in November 2024!

All of the 45 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1. [From Surviving to Thriving: Key Considerations for Weight Control Across Diverse Cancer Survivorship Populations.](#)
Brown JC, Allicock M, Valle CG, Agurs-Collins T.
Obes Sci Pract. 2024 Nov 29;10(6):e70027. doi: 10.1002/osp4.70027. eCollection 2024 Dec.
PMID: 39619051 **Free PMC article.** Review.
2. [Comprehensive care for patients with bladder cancer: Addressing the interplay of physical, nutritional, and emotional well-being.](#)
Bergerot CD, Schmitz KH, Crane TE, Klaassen Z, Bergerot PG.
Cancer. 2024 Nov 28. doi: 10.1002/cncr.35670. Online ahead of print.

PMID: 39607007 No abstract available.

3. [Antimetabolite dose intensity and adverse outcomes in children with acute lymphoblastic leukemia: a COG-AALL03N1 report.](#)
Wadhwa A, Chen Y, Hageman L, Angiolillo A, Dickens DS, Neglia JP, Ravindranath Y, Termuhlen A, Wong FL, Landier W, Bhatia S.
Blood. 2024 Nov 28;144(22):2327-2335. doi: 10.1182/blood.2024024455.
PMID: 39190431
4. [Beyond Tuskegee: A contemporary qualitative assessment of barriers to research participation among Black women.](#)
Bontemps-Jones JE, **McCullough LE**, Kirkland EG, Teras LR, Briggs P, Whitt-Glover MC, Arline-Bradley S, Winn J, Lett J, Patel AV.
Cancer. 2024 Nov 27. doi: 10.1002/cncr.35648. Online ahead of print.
PMID: 39602086
5. [Increasing Access, Equitability, and Rigor in the Assessment of Neighborhood Mortgage Discrimination.](#)
Moubadder L, Bliss M, Maliniak ML, Waddel H, Switchenko JM, Chang HH, Kramer MR, **McCullough LE**.
J Urban Health. 2024 Nov 27. doi: 10.1007/s11524-024-00941-0. Online ahead of print.
PMID: 39601956
6. [Muscle inflammation is regulated by NF- \$\kappa\$ B from multiple cells to control distinct states of wasting in cancer cachexia.](#)
Pryce BR, Oles A, **Talbert EE**, Romeo MJ, Vaena S, Sharma S, Spadafora V, Tolliver L, Mahvi DA, Morgan KA, Lancaster WP, Beal E, Koren N, Watts B, Overstreet M, Berto S, Subramanian S, Calisir K, Crawford A, Neelon B, Ostrowski MC, Zimmers TA, Tidball JG, Wang DJ, Guttridge DC.
Cell Rep. 2024 Nov 26;43(11):114925. doi: 10.1016/j.celrep.2024.114925. Epub 2024 Oct 30.
PMID: 39475511
7. [Intake and Nutritional Adequacy in Patients with Cancer Diagnosed with Malignant Bowel Obstruction: A secondary analysis of a randomized trial.](#)
Thomson CA, Arnold KB, Anderson G, Sun V, Secord AA, Yung A, Al-Kasspoles M, Nfonsam VN, Grant M, Deutsch GB, Deneve JL, Krouse RS.
J Acad Nutr Diet. 2024 Nov 25:S2212-2672(24)00988-2. doi: 10.1016/j.jand.2024.11.011. Online ahead of print.
PMID: 39603592
8. [Associations between Sleep, Energy Balance and Obesity Markers over 6 Months in Black Emerging Adults - Pilot Study Findings from the Sleep, Health Outcomes and Body Weight \(SHOW\) Study.](#)
Koch HR, Sims JNL, Pickett S, Wideman L, **McNeil J**.
Appl Physiol Nutr Metab. 2024 Nov 22. doi: 10.1139/apnm-2024-0263. Online ahead of print.
PMID: 39576968
9. [Differential bone morphology and hypoxia activity in skeletal metastases of ER⁺ and ER⁻ breast cancer.](#)
Das A, Barry MM, Ernst CA, Dahiya R, Kim M, **Rosario SR**, Lo HC, Yu C, Dai T, Gugala Z, Zhang J, Dasgupta S, Wang H.
Commun Biol. 2024 Nov 21;7(1):1545. doi: 10.1038/s42003-024-07247-6.
PMID: 39572705 **Free PMC article.**
10. [Cancer-Related Cognitive Impairment and the Potential of Dietary Interventions for the Prevention and Mitigation of Neurodegeneration.](#)
Crowder SL, Gudenkauf LM, Hoogland AI, Han HS, Small BJ, Carson TL, Parker NH, Booth-Jones M, Jim HSL.
Cancer Res. 2024 Nov 21. doi: 10.1158/0008-5472.CAN-24-3041. Online ahead of print.
PMID: 39570793
11. [Obesity-Specific improvement of lung cancer outcomes and immunotherapy efficacy with metformin.](#)
Smith RJ Jr, Zollo R, Kalvapudi S, Vedire Y, Pachimatla AG, Petrucci C, Shaller G, Washington D, Rr V, Sass SN, Srinivasan A, Kannisto E, Bawek S, Jain P, **Rosario S, Barbi J**, Yendamuri S.
J Natl Cancer Inst. 2024 Nov 19:djae295. doi: 10.1093/jnci/djae295. Online ahead of print.
PMID: 39560490
12. [Associations of physical activity and sedentary time with health-related quality of life in patients with localized renal cell cancer: a cross-sectional analysis within the ReLife study.](#)
Vrieling A, Maurits JSF, Gerritsen J, Buffart LM, Aben KKH, Sedelaar JPM, Bakker EA, Kiemeny LALM.
Support Care Cancer. 2024 Nov 18;32(12):800. doi: 10.1007/s00520-024-08969-3.
PMID: 39556130 **Free PMC article.**

13. [Two sides of trust: How cancer survivors' communication with healthcare providers and on social media predicted healthy behaviors during COVID-19.](#)
Wu QL, **Liao Y**, Brannon GE.
Patient Educ Couns. 2024 Nov 17;131:108553. doi: 10.1016/j.pec.2024.108553. Online ahead of print.
PMID: 39577306
14. [Acute myeloid leukemia with peripheral lymph node involvement in dogs: A retrospective study of 23 cases.](#)
Kaur J, Diamantino G, Morrison K, Meichner K, **Springer NL**, Hoffman M, Bienzle D, Stokol T.
Vet Pathol. 2024 Nov 14;3009858241295397. doi: 10.1177/03009858241295397. Online ahead of print.
PMID: 39540621
15. [Metabolic phenotype and risk of obesity-related cancers in the Women's Health Initiative.](#)
Karra P, **Hardikar S**, Winn M, Anderson GL, Haaland B, Shadyab AH, **Neuhouser ML**, Seguin-Fowler RA, **Thomson CA**, Coday M, Wactawski-Wende J, Stefanick ML, **Zhang X**, **Cheng TD**, Karanth S, Sun Y, Saquib N, Pichardo MS, Jung SY, Tabung FK, Summers SA, Holland WL, Jalili T, Gunter MJ, **Playdon MC**.
Cancer Prev Res (Phila). 2024 Nov 14. doi: 10.1158/1940-6207.CAPR-24-0082. Online ahead of print.
PMID: 39540294
16. [Antibody-Drug Conjugates: A Start of a New Era in Gynecological Cancers.](#)
Fasih S, Welch S, **Lohmann AE**.
Curr Oncol. 2024 Nov 13;31(11):7088-7106. doi: 10.3390/curroncol31110522.
PMID: 39590153 **Free PMC article**. Review.
17. ["Start low, go slow," a strategy to tailor treatment dosing in older or vulnerable adults with advanced solid cancer: A systematic review and meta-analysis.](#)
Aleixo G, Patel T, Ani J, Ferrell WJ, Dotan E, Takvorian SU, **Williams GR**, Parikh RB, Sedhom R.
J Geriatr Oncol. 2024 Nov 13:102153. doi: 10.1016/j.jgo.2024.102153. Online ahead of print.
PMID: 39537457 Review.
18. [Associations Between Dietary Patterns and Quality of Life in a Longitudinal Cohort of Colorectal Cancer Survivors.](#)
Smith KS, Gudenkauf LM, Hoogland AI, Li X, Hoobler R, **Playdon MC**, Gigic B, Small BJ, Gonzalez BD, Oswald LB, Byrd DA, Greathouse KL, Ulrich CM, Li CI, Shibata D, Toriola AT, Peoples AR, Siegel EM, Figueiredo JC, Jim HSL, **Crowder SL**.
Nutrients. 2024 Nov 12;16(22):3860. doi: 10.3390/nu16223860.
PMID: 39599646 **Free PMC article**.
19. [Baseline predictors associated with successful weight loss among breast cancer survivors in the Lifestyle, Exercise, and Nutrition \(LEAN\) study.](#)
Hoobler R, **Puklin LS**, **Harrigan M**, Cartmel B, Li FY, **Sanft T**, **Ferrucci LM**, **Irwin ML**, **Playdon MC**.
J Cancer Surviv. 2024 Nov 11. doi: 10.1007/s11764-024-01702-3. Online ahead of print.
PMID: 39528779
20. [Association of Limited Health Literacy With Frailty, Health-Related Quality of Life, and Health Care Utilization Among Older Adults With Cancer: The Cancer and Aging Resilience Evaluation Registry.](#)
Padamatinti S, Fowler ME, Stephenson C, Dai C, **Giri S**, Outlaw D, Hollis R, **Williams GR**.
JCO Oncol Pract. 2024 Nov 8:OP2400184. doi: 10.1200/OP.24.00184. Online ahead of print.
PMID: 39514824
21. [Myokines and Their Potential Protective Role Against Oxidative Stress in Metabolic Dysfunction-Associated Steatotic Liver Disease \(MASLD\).](#)
Bucarey JL, Trujillo-González I, **Paules EM**, Espinosa A.
Antioxidants (Basel). 2024 Nov 7;13(11):1363. doi: 10.3390/antiox13111363.
PMID: 39594505 **Free PMC article**. Review.
22. [Clinically relevant body composition phenotypes are associated with distinct circulating cytokine and metabolomic milieus in epithelial ovarian cancer patients.](#)
Davis EW, Hsiao HH, Barone N, **Rosario S**, Cannioto R.
Front Immunol. 2024 Nov 7;15:1419257. doi: 10.3389/fimmu.2024.1419257. eCollection 2024.
PMID: 39575261 **Free PMC article**.
23. [Effects of non-digestible carbohydrates on gut microbiota and microbial metabolites: a randomised, controlled dietary intervention in healthy individuals.](#)

Malcomson FC, Louca P, Nelson A, Willis ND, McCallum I, Xie L, Ouwehand AC, Stowell JD, Preston T, Morrison DJ, Kelly SB, Bradburn DM, Belshaw NJ, Johnson IT, Corfe BM, Stewart CJ, Mathers JC.

Br J Nutr. 2024 Nov 4;1-32. doi: 10.1017/S000711452400271X. Online ahead of print.

PMID: 39494600 **Free PMC article.**

24. [The risk information and skin-cancer education for undergraduate prevention \(RISE-UP\) study: Protocol for a trial of personalized sun protection interventions for skin cancer prevention among undergraduate students.](#)
Wu YP, Woodside LA, Kaphingst KA, Jensen JD, Hamilton JG, Kohlmann W, Haaland B, Brintz BJ, **Phillips SM**, Hay JL.
Contemp Clin Trials. 2024 Nov 2;147:107728. doi: 10.1016/j.cct.2024.107728. Online ahead of print.
PMID: 39491719
25. [Implementation of ePROs Into Multidisciplinary Tumor Board Discussions for Patients With Pancreatic Cancer: The INSPIRE Intervention.](#)
Henderson NL, Ortiz-Olguin E, Bourne G, Pywell C, Rose JB, **Williams GR**, Nipp RD, Rocque GB.
J Natl Compr Canc Netw. 2024 Nov;22(9):602-609. doi: 10.6004/jnccn.2024.7052.
PMID: 39536438
26. [Distress and inflammation are independently associated with cancer-related symptom severity.](#)
Lacourt TE, Tripathy D, **Swartz MC**, LaVoy EC, Heijnen CJ.
Compr Psychoneuroendocrinol. 2024 Oct 11;20:100269. doi: 10.1016/j.cpnec.2024.100269. eCollection 2024 Nov.
PMID: 39469338 **Free PMC article.**
27. [Botanical-induced toxicity: Liver injury and botanical-drug interactions. A report on a society of Toxicology Annual Meeting symposium.](#)
Koturbash I, Yeager RP, Mitchell CA, Ferguson S, Navarro VJ, Paine MF, Roe AL.
Regul Toxicol Pharmacol. 2024 Nov;153:105708. doi: 10.1016/j.yrtph.2024.105708. Epub 2024 Sep 19.
PMID: 39304112
28. [Overcoming challenges in conducting early phase breast cancer prevention trials: Bazedoxifene and conjugated estrogens vs waitlist control.](#)
Fabian CJ, Mudarantakam DP, Gajewski B, Young K, Winblad O, Khan SA, Garber JE, Esserman LJ, Yee LD, **Nye L**, Powers KR, Ranallo L, Kreutzjans AL, Pittman K, Altman C, Metheny T, Zelenchuk A, Komm BS, Kimler BF.
Contemp Clin Trials. 2024 Nov;146:107697. doi: 10.1016/j.cct.2024.107697. Epub 2024 Sep 17.
PMID: 39293780
29. [Function, cognition, and quality of life among older adults with lung cancer who live alone: A prospective cohort study.](#)
Singhal S, Walter LC, Smith AK, Boscardin WJ, Shi Y, Cohen HJ, Presley CJ, Kushi LH, **Giri S**, Magnuson A, **Williams GR**, Velazquez AI, Lee HJ Jr, Sakoda LC, Quesenberry CP, Falvey JR, Van Dyk KM, Wong ML.
J Geriatr Oncol. 2024 Nov;15(8):102068. doi: 10.1016/j.jgo.2024.102068. Epub 2024 Sep 16.
PMID: 39288505
30. [Associations of quality of social support and accurate beliefs about curability among older adults with advanced cancer.](#)
Kehoe LA, Sohn MB, Wang L, Mohile S, Kamen C, Van Orden K, Wells M, Gilmore N, Arana-Chicas E, Gudina A, Yilmez S, Griggs L, **Loh KP**.
J Geriatr Oncol. 2024 Nov;15(8):102061. doi: 10.1016/j.jgo.2024.102061. Epub 2024 Sep 10.
PMID: 39260086 Clinical Trial.
31. [Physical and psychological distress amongst patients undergoing neoadjuvant chemotherapy for advanced ovarian cancer.](#)
Mokshagundam S, McGree ME, Tapia AL, Fought AJ, Ishitani KP, Lee MK, Dowdy SC, Yadav S, Pachman DR, **Kumar A**.
Gynecol Oncol. 2024 Nov;190:230-235. doi: 10.1016/j.ygyno.2024.08.024. Epub 2024 Sep 5.
PMID: 39241618
32. [Evaluating concordance between International Myeloma Working Group \(IMWG\) frailty score and simplified frailty scale among older adults with multiple myeloma.](#)
Gahagan A, Maheshwari S, Rangarajan S, Ubersax C, Tucker A, Harmon C, Pasala MS, Bal S, Godby K, Ravi G, Costa LJ, **Williams GR**, Bhatia S, **Giri S**.
J Geriatr Oncol. 2024 Nov;15(8):102051. doi: 10.1016/j.jgo.2024.102051. Epub 2024 Sep 5.
PMID: 39241344
33. [Diabetes risk reduction diet and risk of liver cancer and chronic liver disease mortality: A prospective cohort study.](#)
Chen Y, Zhao L, Jung SY, Pichardo MS, **Lopez-Pentecost M**, Rohan TE, Saquib N, Sun Y, Tabung FK, Zheng T, Wactawski-Wende J, Manson JE, **Neuhouser ML**, **Zhang X**.

- J Intern Med. 2024 Nov;296(5):410-421. doi: 10.1111/joim.20007. Epub 2024 Sep 6.
PMID: 39239793
34. [A scoping review of diet and exercise interventions for older cancer survivors' physical function.](#)
Hardikar S, Dunston ER, Winn M, Winterton C, Rana A, LoCastro M, Curtis M, Mulibea P, Maslana KE, Kershner K, Hurtado-Orozco J, Simon LH, McFarland MM, Casucci T, Ehlers D, **Dolgoy N, Williams G, Loh KP, Coletta AM.**
J Geriatr Oncol. 2024 Nov;15(8):102050. doi: 10.1016/j.jgo.2024.102050. Epub 2024 Aug 30.
PMID: 39214732 Review.
35. [Total energy expenditure measured using doubly labeled water in adults with major chronic diseases: a systematic review.](#)
Purcell SA, Craven SA, Limon-Miro AT, Elliott SA, Melanson EL, Tandon P, Prado CM.
Am J Clin Nutr. 2024 Nov;120(5):1071-1084. doi: 10.1016/j.ajcnut.2024.08.023. Epub 2024 Aug 28.
PMID: 39209153 **Free PMC article.**
36. [Social, Behavioral, and Clinical Risk Factors Are Associated with Clonal Hematopoiesis.](#)
Young CD, Hubbard AK, **Saint-Maurice PF**, Chan ICC, Cao Y, Tran D, Bolton KL, Chanock SJ, Matthews CE, Moore SC, Loftfield E, Machiela MJ.
Cancer Epidemiol Biomarkers Prev. 2024 Nov 1;33(11):1423-1432. doi: 10.1158/1055-9965.EPI-24-0620.
PMID: 39208031
37. [Geriatric assessment for the practicing clinician: The why, what, and how.](#)
Magnuson A, **Loh KP**, Stauffer F, Dale W, Gilmore N, Kadambi S, Klepin HD, Kyi K, Lowenstein LM, Phillips T, Ramsdale E, Schiaffino MK, Simmons JF Jr, **Williams GR**, Zittel J, Mohile S.
CA Cancer J Clin. 2024 Nov-Dec;74(6):496-518. doi: 10.3322/caac.21864. Epub 2024 Aug 29.
PMID: 39207229 Review.
38. [Age-related increase of CD38 directs osteoclastogenic potential of monocytic myeloid-derived suppressor cells through mitochondrial dysfunction in male mice.](#)
Thiyagarajan R, Zhang L, Glover OD, Kwack KH, Ahmed S, Murray E, Yellapu NK, Bard J, Seldeen KL, **Rosario SR**, Troen BR, Kirkwood KL.
Aging Cell. 2024 Nov;23(11):e14298. doi: 10.1111/accel.14298. Epub 2024 Aug 23.
PMID: 39180173 **Free PMC article.**
39. [Associations between Dietary Patterns and Incident Colorectal Cancer in 114,443 Individuals from the UK Biobank: A Prospective Cohort Study.](#)
Skulsky SL, **Koutoukidis DA**, Carter JL, Piernas C, Jebb SA, Gao M, Astbury NM.
Cancer Epidemiol Biomarkers Prev. 2024 Nov 1;33(11):1445-1455. doi: 10.1158/1055-9965.EPI-24-0048.
PMID: 39158415 **Free PMC article.**
40. [Glycated haemoglobin is a major predictor of disease severity in patients with NAFLD.](#)
Colosimo S, Miller H, **Koutoukidis DA**, Marjot T, Tan GD, Harman DJ, Aithal GP, Manousou P, Forlano R, Parker R, Sheridan DA, Newsome PN, Alazawi W, Cobbold JF, Tomlinson JW.
Diabetes Res Clin Pract. 2024 Nov;217:111820. doi: 10.1016/j.diabres.2024.111820. Epub 2024 Aug 13.
PMID: 39147101
41. [Defining optimal perioperative analgesia in patients undergoing laparotomy for advanced gynecologic malignancy: A randomized controlled trial.](#)
Ostby SA, Narasimhulu D, Ochs Kinney MA, Cliby W, Langstraat C, Bakkum-Gamez JN, Ishitani K, Lemens M, Martin P, Borah B, Moriarty J, Glaser G, **Kumar A**, Arendt KW, Dowdy SC.
Gynecol Oncol. 2024 Nov;190:11-17. doi: 10.1016/j.ygyno.2024.08.002. Epub 2024 Aug 7.
PMID: 39116626 Clinical Trial.
42. [Feasibility and preliminary effects of the Fit2ThriveMB pilot physical activity promotion intervention on physical activity and patient reported outcomes in individuals with metastatic breast cancer.](#)
Phillips SM, Starikovskiy J, Solk P, Desai R, Reading JM, Hasanaj K, Wang SD, Cullather E, Lee J, Song J, Spring B, Gradishar W.
Breast Cancer Res Treat. 2024 Nov;208(2):391-403. doi: 10.1007/s10549-024-07432-5. Epub 2024 Jul 16.
PMID: 39014267 Clinical Trial.
43. [Hospital Associated Disability among Older Adults with Plasma Cell Disorders Receiving Autologous Stem Cell Transplant.](#)
Kidwell K, Bal S, Godby K, Ravi G, Costa LJ, Shrestha S, Salzman D, Hayes T, **Williams GR**, Bhatia S, **Giri S.**
Transplant Cell Ther. 2024 Nov;30(11):1086.e1-1086.e7. doi: 10.1016/j.jtct.2024.06.014. Epub 2024 Jun 12.
PMID: 38876427

44. [Associations between health-related fitness and patient-reported symptoms in newly diagnosed breast cancer patients.](#)
An KY, Arthuso FZ, Filion M, Allen SJ, Ntoukas SM, Bell GJ, **McNeil J**, Wang Q, McNeely ML, Vallance JK, Yang L, Culos-Reed SN, Dickau L, Mackey JR, Friedenreich CM, **Courneya KS**.
J Sport Health Sci. 2024 Nov;13(6):851-862. doi: 10.1016/j.jshs.2024.04.012. Epub 2024 May 1.
PMID: 38697290 **Free PMC article.**
45. [Diet Quality and Epigenetic Aging in the Women's Health Initiative.](#)
Reynolds LM, Houston DK, **Skiba MB**, Whitsel EA, Stewart JD, Li Y, Zannas AS, Assimes TL, Horvath S, Bhatti P, Baccarelli AA, Tooze JA, Vitolins MZ.
J Acad Nutr Diet. 2024 Nov;124(11):1419-1430.e3. doi: 10.1016/j.jand.2024.01.002. Epub 2024 Jan 11.
PMID: 38215906

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

- PI: Natalia Heredia, PhD.** 2020 TREC Fellow
Title: Developing and Testing a Multilevel, Culturally Appropriate Lifestyle Intervention for Hispanic Patients with Metabolic-dysfunction Associated Steatotic Liver Disease
Mechanism: K01, National Institute on Minority Health and Health Disparities
- PI: Dorothy Sears, PhD.** TREC SAB and Faculty Member
Consultant: Dara James, PhD. 2022 TREC Fellow
Title: Prolonged Nightly Fasting Among Ethnically And Racially Diverse Breast Cancer Survivors With Cancer-Related Cognitive Impairment: A Pilot RCT To Improve Cognition, Sleep And Quality Of Life
Mechanism: Mayo Clinic Cancer Center/ASU Alliance for Health Care Seed Grant 2024
- PI: En Cheng, PhD.** 2024 TREC Fellow
Title: Plant-Based Diet and Colon Cancer Chemotherapy Adverse Events
Mechanism: Health and Environmental Sciences Institute (HESI)
- PI: Amber Kleckner, PhD.** 2022 TREC Fellow
Title: Time-restricted eating to address cancer-related fatigue among survivors of hematological malignancies (“Take the reins”)
Mechanism: R01, National Cancer Institute

About this grant, Amber says,
TREC 100% helped me get this. I presented this TRE project at the workshop, and then several of us published a review article together on intermittent fasting and cancer. I then had so many informal discussions with senior people (e.g., Dorothy Sears) and junior people (e.g., Faiza Kalam, Dara James) and I am so grateful to have these people as colleagues! I feel like I can email people I met at TREC with anything I might want to discuss, and that is so valuable!

PI: Ian Kleckner, PhD. 2018 TREC Fellow -- Two new grants, about which Ian says,
TREC has been critical to allowing me to build my work up, practice writing grants, and building my ideas. Without TREC I would not be where I am today, 100%.

Both projects assess aspects of physical activity and physical function with respect to chemo-induced neuropathy and related toxicities and utilize brain imaging for mechanistic outcomes to understand mind-body processes.

You can safely include these in the TREC progress report and renewal application, as TREC definitely has played a role.

Title: HEALD: Studying mind-body relations in chemotherapy-induced peripheral neuropathy (CIPN) using functional near infrared spectroscopy (fNIRS)
Mechanism: American Cancer Society

Title: Longitudinal assessment of the role of interoception in chemotherapy-induced peripheral neuropathy (CIPN) along the cancer chemotherapy continuum

Mechanism: R01, National Cancer Institute

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Justin Gregg, MD, TREC Fellow 2021 has been promoted to Associate Professor of Urology and Health Disparities at the University of Texas MD Anderson Cancer Center! *Way to go, Justin – so well deserved!*

Davide Soldato, MD, PhD, TREC Fellow 2023 has moved to Ospedale San Martino in Genoa, Italy where he is a clinical researcher. Davide can now be reached at davide.soldato@hsanmartino.it. *Congrats on your relocation, Davide!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts?

Are you editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Conferences/Webinars

Disseminate your work – and please remember to cite TREC if relevant!

Physical Activity and Cancer Meeting – Lisbon, Portugal – April 3-4, 2025

TREC Fellow (2020) Pedro Saint-Maurice is organizing a conference in Lisbon next year! Registration is now open. See flyer below and more details here <https://movingbeyond.pt/>



International Society for Diet and Activity Methods (ICDAM) – Toronto, Canada – April 27-30, 2025

Another opportunity that Pedro would like you to know of:



NIH Short Course – ORBIT Institute: Developing Behavioral Treatments to Improve Health – Tallahassee, FL – May 13-16, 2025
Opportunity for a training workshop regarding developing behavioral treatments. This is an OBSSR-funded R25 training session on intervention development and testing methods. **The application portal will close this Friday December 6, 2024.**
Travel to Tallahassee, FL (flights and transportation to/from airport), meals, and lodging are anticipated to be covered by the grant; however, there may be additional, miscellaneous expenses that applicants will have to cover.

Review [eligibility criteria](#). To apply, complete the [application form](#).

TREC Webinar Series - next scheduled is January 22, 2025 at 10-11am Pacific Time (1-2pm Eastern)!

Presenters:

Leah Ferrucci, PhD. TREC Fellow 2017

Elizabeth Salerno, PhD. TREC Fellow 2019

Webinar Zoom Link – previously distributed via a calendar hold from Diana – so should be on your calendar.

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Would you like to announce other event(s) of interest to TREC members? Notify Diana with details for next newsletter!

Position Announcements

Assistant/Associate Professor of Epidemiology – Educator-Scholar Track – Yale University, New Haven, CT

This position is for applications from anyone with a strong background in epidemiologic methods and an interest in teaching. **Dr. Leah Ferrucci (2017 TREC Fellow)** advises that while this position is not TREC specific in terms of a content area, it might be of interest to some. <http://apply.interfolio.com/149768>

Assistant/Associate Professor in the Division of Population Sciences, Dana Farber Cancer Institute, Boston, MA

This search committee is being chaired by **Dr. Christina Dieli-Conwright (2017 TREC Fellow)**.

<https://careercenter.asco.org/job/7622978/assistant-or-associate-professor-division-of-population-sciences/>

Open Rank Tenure-Track Faculty Position in the Department of Exercise Science, University of South Carolina, Columbia, SC

<https://uscjobs.sc.edu/postings/158059>.

Two Open Rank Faculty Positions, Department of Nutrition, University of North Carolina at Chapel Hill

The Department of Nutrition in the Gillings School of Global Public Health and School of Medicine at the University of North Carolina at Chapel Hill is seeking candidates for **two open-rank faculty positions (one in basic sciences, one in behavioral and/or intervention sciences)**, with a focus on expertise in nutrition and aging research. We are also open to other areas of study related to nutrition. This posting can be accessed directly at <https://unc.peopleadmin.com/postings/290254>

Please feel free to contact **Carmina Valle, PhD, MPH (2019 TREC Fellow)**, carmina.valle@unc.edu, Search Committee Co-Chair) if you have any questions regarding these positions.

Notify Diana of position announcements to include in the December newsletter!

ICYMI: In Case You Missed it!

Apply by January 31, 2025 for NCI Administrative Supplements for Assessing Capacity to Address Obesity for Cancer Prevention and Control. This Notice of Special Interest (NOSI) [NOT-CA-25-004](#) encourages NCI-funded investigators to apply for administrative supplement funds to support research addressing obesity for cancer prevention and control.

National Cancer Institute – Behavioral Research Program Data Resources

Search for and find data and resources that support researchers in conducting behavioral research. Explore selected data collection and analysis tools, cancer control publications, and other resources. <https://cancercontrol.cancer.gov/brp/research>

Notify Diana at any time of items you'd like to disseminate to the TREC Community!

TREC Connects! Volume 6, Issue 3 (December 2024)

Visit us at [TRECTraining.yale.edu](https://trec.yale.edu)

**Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!**



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 1. January 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,

Happy New Year from TREC! This month we are showcasing:

December 2024 publications. Curated from PubMed, manuscripts published last month with at least one author from the TREC community. If we missed any of your energy balance and cancer pubs from December 2024, please notify Diana and she'll include it in our next newsletter.

New Grants. Check it out below – quite a few– *congratulations, all!!*

Annual TREC Training Workshop: Applications for the 2025 TREC Workshop were due Jan 15 – we received 73 which are undergoing review now! By April we have our new fellows identified. The 2025 curriculum will be tailored to accepted fellows' research interests, and applicable TREC Fellow Alumni and Faculty will be formally invited to attend. **If you haven't yet, please save the dates for June 23-27, 2025 at Water's Edge Resort.**

Searchable TREC members' database/collaboration tool. *Coming soon!* We are continuing work on developing this resource based on info curated from the TREC collaborations survey. **Fellows who have not completed that survey will be hearing directly from Dr. Irwin soon, with another link to the survey.** Soon as we have everyone's survey responses we will proceed with building the collaboration tool. Thank you!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Energy Balance and Cancer Publications from the TREC Community in the prior month

These are your energy balance and cancer manuscripts published in December 2024!

All of the 15 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1. [Excess weight by degree and duration and cancer risk \(ABACus2 consortium\): a cohort study and individual participant data meta-analysis.](#)
Hawwash NK, Sperrin M, Martin GP, Sinha R, Matthews CE, Ricceri F, Tjønneland A, Heath AK, Neuhaus ML, Joshi CE, Platz EA, Freisling H, Gunter MJ, Renehan AG.
EClinicalMedicine. 2024 Nov 19;78:102921. doi: 10.1016/j.eclinm.2024.102921. eCollection 2024 Dec.
PMID: 39640936 **Free PMC article.**
2. [Diet and Immune Effects Trial \(DIET\)- a randomized, double-blinded dietary intervention study in patients with melanoma receiving immunotherapy.](#)
Farias RM, Jiang Y, Levy EJ, Hwang C, Wang J, Burton EM, Cohen L, Ajami N, Wargo JA, Daniel CR, McQuade JL.
BMC Cancer. 2024 Dec 4;24(1):1493. doi: 10.1186/s12885-024-13234-1.
PMID: 39633321 **Free PMC article.**
3. [Time-Restricted Eating and Cancer: Lessons Learned and Considerations for a Path Forward.](#)

Shams-White MM, Goldbaum AA, Agurs-Collins T, Czajkowski S, Herrick KA, Nebeling L, Reedy J, Riscuta G, Ross S, Sauter ER.

J Natl Cancer Inst. 2024 Dec 12:djae331. doi: 10.1093/jnci/djae331. Online ahead of print.

PMID: 39666946

4. [Body composition in recurrent prostate cancer and the role of steroidogenic genotype.](#)

Venkatesh N, Tidwell RS, Yu Y, Aparicio A, Zurita AJ, Subudhi SK, Siddiqui BA, Mukhida SS, Gregg JR, Corn PG, Koutroumpakis E, McQuade JL, Frigo DE, Pilie PG, Huff C, Logothetis CJ, Hahn AW.

Endocr Relat Cancer. 2024 Oct 29;31(12):e240195. doi: 10.1530/ERC-24-0195. Print 2024 Dec 1.

PMID: 39324992

5. [Exercising and immuno-oncology treatment \(ExIO\): a prospective pilot study for patients with solid tumors.](#)

Bergerot PG, Bergerot CD, Silva JRG, Fuzita WH, Franca MVS, Lages PS, Dos Anjos G, de Azeredo AC, Patriota CB, Buso MM, Matos Neto JN, Lee D, Philip EJ, Schmitz KH, Pal SK, Soto-Pérez-de-Celis E, Florez N.

Support Care Cancer. 2024 Dec 2;32(12):840. doi: 10.1007/s00520-024-09056-3.

PMID: 39621061

6. [Effects of non-digestible carbohydrates on gut microbiota and microbial metabolites: a randomised, controlled dietary intervention in healthy individuals.](#)

Malcomson FC, Louca P, Nelson A, Willis ND, McCallum I, Xie L, Ouwehand AC, Stowell JD, Preston T, Morrison DJ, Kelly SB, Bradburn DM, Belshaw NJ, Johnson IT, Corfe BM, Stewart CJ, Mathers JC.

Br J Nutr. 2024 Dec 14;132(11):1433-1445. doi: 10.1017/S000711452400271X. Epub 2024 Nov 4.

PMID: 39494600 **Free PMC article.** Clinical Trial.

7. [The efficacy of using continuous glucose monitoring as a behaviour change tool in populations with and without diabetes: a systematic review and meta-analysis of randomised controlled trials.](#)

Richardson KM, Jospe MR, Bohlen LC, Crawshaw J, Saleh AA, Schembre SM.

Int J Behav Nutr Phys Act. 2024 Dec 23;21(1):145. doi: 10.1186/s12966-024-01692-6.

PMID: 39716288 **Free PMC article.**

8. [Plant-Based Diets and Their Associations with Physical Performance in the Baltimore Longitudinal Study of Aging.](#)

Bigman G, Rusu ME, Kleckner AS, Sorkin JD, Jin Y, Talegawkar SA, Tanaka T, Ferrucci L, Ryan AS.

Nutrients. 2024 Dec 9;16(23):4249. doi: 10.3390/nu16234249.

PMID: 39683645 **Free PMC article.**

9. [Optimization of a digital health intervention to enhance well-being among adolescent and young adult cancer survivors: Design and methods of the EMPOWER full factorial trial.](#)

Salsman JM, Murphy KM, Addington EL, Tooze JA, McLouth LE, Yang D, Sanford S, Wagner L, Bunch SC, Rosenberg AR, Valle CG, Zebrack B, Howard D, Roth M, Moskowitz JT.

Contemp Clin Trials. 2024 Dec 20;149:107783. doi: 10.1016/j.cct.2024.107783. Online ahead of print.

PMID: 39710338

10. [Associations of frailty with survival, hospitalization, functional decline, and toxicity among older adults with advanced non-small cell lung cancer.](#)

Lee HJ Jr, Boscardin J, Walter LC, Smith AK, Cohen HJ, Giri S, Williams GR, Presley CJ, Singhal S, Huang LW, Velazquez AI, Gubens MA, Blakely CM, Mulvey CK, Cheng ML, Sakoda LC, Kushi LH, Quesenberry C, Liu R, Fleszar-Pavlovic S, Eskandar C, Cutler E, Mercurio AM, Wong ML.

Oncologist. 2024 Dec 9:oyae349. doi: 10.1093/oncolo/oyae349. Online ahead of print.

PMID: 39657913

11. [Image-Based Measures of Obesity are Associated with Alterations in Metabolic Pathways in Non-small Cell Lung Cancer.](#)

Pachimatla AG, Gee K, Hsiao HH, Yendamuri S, Rosario S.

Ann Surg Oncol. 2024 Dec 13. doi: 10.1245/s10434-024-16402-6. Online ahead of print.

PMID: 39671163

12. [Pilot Feasibility Study of Physical Activity to Manage Bowel Dysfunction in Survivors of Rectal Cancer.](#)

Nehemiah A, Pettke E, Appel S, Garcia DO, Bea JW, Thomson CA, Sun V, Krouse RS.

Dis Colon Rectum. 2024 Dec 23. doi: 10.1097/DCR.0000000000003583. Online ahead of print.

PMID: 39714033

13. [CT-Based Body Composition and Frailty as Predictors of Survival Among Older Adults With Gastrointestinal Malignancies.](#)
 Giri S, Harmon C, Hess D, Cespedes Feliciano EM, Fumagalli IA, Caan B, Lenchik L, Popuri K, Chow V, Beg MF, Bhatia S, Williams GR.
 J Cachexia Sarcopenia Muscle. 2024 Dec 23. doi: 10.1002/jcsm.13664. Online ahead of print.
 PMID: 39711205
14. [Pro-inflammatory and hyperinsulinaemic dietary patterns are associated with specific gut microbiome profiles: a TwinsUK cohort study.](#)
 Shi N, Nepal S, Hoobler R, Menni C, Playdon MC, Spakowicz D, Wells PM, Steves CJ, Clinton SK, Tabung FK.
 Gut Microbiome (Camb). 2024 Dec 5;5:e12. doi: 10.1017/gmb.2024.14. eCollection 2024.
 PMID: 39703541 **Free PMC article.**
15. [Prehabilitation Exercise Training to Target Improved Muscle Strength in Pretransplant Patients Diagnosed With Multiple Myeloma: Protocol for a Pilot Randomized Controlled Trial.](#)
 Normann AJ, Mo CC, Wilson RL, Perez M, Cutler C, Uno H, Thompson LV, Skinner TL, Richardson PG, Marinac CR, Dieli-Conwright CM.
 JMIR Res Protoc. 2024 Dec 19;13:e64905. doi: 10.2196/64905.
 PMID: 39701583 **Free PMC article.** Clinical Trial.

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Dimitrios Koutoukidis, PhD. 2023 TREC Fellow

Title: Developing a randomised controlled trial to test the effectiveness of intentional weight loss as prehabilitation for people with excess weight awaiting colorectal cancer surgery

Mechanism: Oxford University Hospitals Research Capability Funding

PI: Margaret Raber, PhD. 2020 Fellow

Title: Examining the feasibility and impact of a safety net clinic-based Food Farmacy and digital culinary medicine program among cancer survivors.

Mechanism: American Cancer Society Research Scholar Grant

PI: Jennifer Stern, PhD. 2021 Fellow. 2 new grants!

Title: Investigating the role of hepatic glucagon receptor signaling in healthspan and aging

Mechanism: NIH-R01

Title: Serum markers of glucagon sensitivity in calorie restricted humans

Mechanism: NIH-R21

Rusha Bhandari, MD, MS. 2021 Fellow

Project: Studying impaired glucose tolerance and its impact on cardiovascular health in adolescents and young adults undergoing hematopoietic cell transplantation

Mechanism: American Society of Hematology 2025 Scholar Award

Ana Lohmann, MD, PhD. 2018 Fellow. 3 new grants!

Title: Association of Liquid Biopsy with Endometrial Cancer Outcomes. 3 separate awards:

- 2024 Medical Oncology Research Fund, London, Ontario health Sciences Centre
- 2024 Academic Medical organization of Southwestern Ontario (AMOSO)
- Spring 2024 Internal Research Fund (IRF) Competition

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Dong-Woo Kang, PhD, CEP, TREC Fellow 2023, has relocated and been promoted to Assistant Professor in the Public Health Sciences Division at Fred Hutchinson Cancer Center. Dong-Woo can now be reached at dkang@fredhutch.org. *Congrats, Dong-Woo, and welcome to the Hutch!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts?

Are you editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Conferences/Webinars

Disseminate your work – and please remember to cite TREC if relevant!

NCI Cancer Cachexia Webinar – online – January 28, 2025, 2-3pm ET

Drs. Erin Talbert (TREC Fellow 2024) and Eric Roeland will share their perspectives on developing preclinical models to better understand cancer cachexia and translating this research to impactful clinical interventions. [Registration is required.](#)

Physical Activity and Cancer Meeting – Lisbon, Portugal – April 3-4, 2025

TREC Fellow (2020) Pedro Saint-Maurice is organizing a conference in Lisbon next year! Registration is now open. See flyer below and more details here <https://movingbeyond.pt/>



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TREC Webinar Series - next scheduled is March 26, 2025 at 10-11am Pacific Time (1-2pm Eastern)!

Presenters:
Joe Barnbi, PhD. TREC Fellow 2020
Sarwish Rafiq, PhD. TREC Fellow 2024

Webinar Zoom Link – previously distributed via a calendar hold from Diana – so should be on your calendar.

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Would you like to announce other event(s) of interest to TREC members? Notify Diana with details for next newsletter!

Position Announcements

Assistant Teaching Professor in the University of Washington Food systems, Nutrition, and Health Program, Seattle, WA
 We're looking for an Assistant Teaching Professor in our Food Systems, Nutrition, and Health program to begin in Fall 2025. This announcement is brought to TREC by **Dr. Marian Neuhouser (TREC SAB and Faculty)**. This is a full-time, 12-month faculty position for a passionate leader ready to inspire and guide change in food systems, nutrition, and health. Within this position, you will help build curricular capacity by teaching existing undergraduate food systems, nutrition, and health courses, develop new courses, mentor experiential learning projects, and play an active role in program, department, and school governance. Areas of interest include, but are not limited to food policy, food systems, food justice and equitable food systems, food systems modeling,

entrepreneurship, nutrition, population health, and promoting food systems that support environmentally sustainable and healthy food choices. Review of applications will begin January 5, 2025 and continue until the position is filled. For more information and to apply: <https://apply.interfolio.com/158586>

Notify Diana of position announcements to include in the December newsletter!

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National Cancer Institute – Behavioral Research Program Data Resources

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Notify Diana at any time of items you'd like to disseminate to the TREC Community!

TREC Connects! Volume 7, Issue 1 (January 2025)

Visit us at TRECTraining.yale.edu

Follow us on Linked In! <https://www.linkedin.com/groups/14363880>

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:

TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 2. March 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,

Greetings and hope you are doing well! Many updates for you with this newsletter -highlights include:

2025 TREC Fellowship Cohort has been selected! 73 applications received, 23 amazing fellows accepted. The cohort consists of 7 clinician-researchers, 6 basic scientists, and 10 population scientists. The 2025 curriculum is being tailored to the new cohort's research interests. Dr. Irwin is reaching out to certain TREC Fellow Alumni and Faculty with an invitation to attend.

New Grants, Promotions, and Publications: showcased below.

Enjoy!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

Co-PI: Roberto Benzo, PhD. 2023 TREC Fellow

Title: A New Gamified Web App to Monitor Symptoms and Engage Users: The GAME Pilot Study with Cancer Patients

Mechanism: BIG 10 Cancer Research Consortium

PI: Roberto Benzo, PhD. 2023 TREC Fellow

Co-I: Peter Washington, PhD. 2023 TREC Fellow

Title: Adapting a Mobile Health Lifestyle Intervention for Colorectal Cancer Survivors and Home-Residing Caregivers: A Mixed-Methods Study

Mechanism: The Ohio State Comprehensive Cancer Center

PI: Peter Washington, PhD. 2023 TREC Fellow

Co-I: Roberto Benzo, PhD. 2023 TREC Fellow

Title: SCH: Personalized Machine Learning for Repeat Adverse Health Events using Novel Multimodal Self-Supervised Pretraining Methods

Mechanism: National Science Foundation

PI: Maria Swartz, PhD. 2024 TREC Fellow

Co-I: Emily LaVoy, PhD. 2023 TREC Fellow

Title: Cancer-Related Fatigue and its Biological Contributors in Adolescent and Young Adult Brain Tumor Survivors: Effects of a Tele-Exercise Intervention

Mechanism: Cancer Prevention & Research Institute of Texas (CPRIT)

PI: Urvi Shah, MD. 2021 TREC Fellow

Title: A Decentralized Randomized High-Fiber Dietary Trial to Improve Outcomes in Newly Diagnosed Myeloma

Mechanism: The Leukemia & Lymphoma Society

PI: Brittany Van Remortel, MD. 2024 TREC Fellow

Title: Reducing Sedentary Behavior in AYAs with Acute Lymphocytic Leukemia

Mechanism: St. Baldrick's Foundation Fellowship Award

PI: Ana Lohmann, MD, PhD. 2018 Fellow. 3 new grants!

Title: Association of Liquid Biopsy with Endometrial Cancer Outcomes. 3 separate awards:

- 2024 Medical Oncology Research Fund, London, Ontario health Sciences Centre
- 2024 Academic Medical organization of Southwestern Ontario (AMOSO)
- Spring 2024 Internal Research Fund (IRF) Competition

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Justin Brown, PhD, TREC Fellow 2018, has relocated to AdventHealth in Orlando, Florida where he has started a new position as director, Exercise and cancer Biology Research Program. Justin can now be reached at Justin.Brown4@AdventHealth.com.
Congratulations, Justin!

Peter Washington, PhD, TREC Fellow 2023, has relocated to the University of California-San Francisco where he is an Assistant Professor in the Division of Clinical Informatics and Digital Transformation in the Department of Medicine. Peter's new email address is peter.washington@ucsf.edu. *That's awesome news, Peter – congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Justin Brown (TREC Fellow 2023) is co-leading a special collection for JNCI Cancer Spectrum. Justin extends this invitation:

Dear *JNCI Cancer Spectrum* Editorial Board Members,

We are very happy to announce that *JNCI Cancer Spectrum* is calling for papers investigating how *exercise and nutrition* impact cancer outcomes. We particularly encourage studies that involve clinical trials or prospective data collection over papers that are exploratory and analyze existing data for statistical associations without a well-considered biological mechanism. All manuscript types will be considered. Accepted papers will be published normally on advance access and moved into the open issue but also housed in a special collection on the journal website. The deadline for submissions is **September 1, 2025**.

We hope that you will submit your own work to the journal and share this announcement with your colleagues. Manuscripts should be submitted using the journal's submission site, at <https://www.editorialmanager.com/jncics/>. There will be a question to indicate the manuscript is answering this call for papers on exercise and nutrition. If you have any questions, please contact the Editorial Office at jncics.edoffice@oup.com.

We hope you are excited about this call for papers and will consider *JNCI Cancer Spectrum* for submissions related to this topic; and again, we would sincerely appreciate your help to spread the word about it! We thank you for your time and dedication to the journal!

Kind Regards,
James B. Yu MD, MHS, FASTRO
Editor-in-Chief
JNCI Cancer Spectrum

Wendy Demark-Wahnefried and Cyndi Thomson (TREC Emerita Faculty) are co-editing a Nutrition and Cancer Issue of the Journal of Nutrition and Dietetics, and they invite TREC faculty and fellows to submit an abstract for the paper. Please see announcement below. Thank you for considering and please spread the word.



Journal of the Academy of Nutrition and Dietetics
Advertisement for Nutrition and Cancer Theme Issue

Guest Editors:

- Wendy Demark-Wahnefried, PhD, RD, University of Alabama at Birmingham, USA
- Cynthia A. Thomson, PhD, RD, University of Arizona, USA



The *Journal of the Academy of Nutrition and Dietetics* (JAND) is pleased to announce a Theme Issue focused on nutrition and cancer. There is great scientific interest in this topic from the discovery of the role of various nutrients, dietary patterns and nutritional status on cancer prevention, control and survivorship to the development and testing of interventions, as well as the implementation and dissemination of nutrition oncology science to stakeholders. This Theme Issue is an opportunity for the research and clinical communities to draw together high-quality original research and reviews that advance our understanding of nutrition and cancer.

Submissions on nutrition and cancer should address populations of interest including (but not limited to):

- The study of populations at risk (low, moderate or high risk) for diet-associated cancers;
- Oncology patients (active treatment) as well as longer-term survivors;
- Patients experiencing or at risk for treatment-related sequelae;
- Caregivers of patients experiencing a cancer diagnosis; and
- Health care providers serving oncology patients.

Articles addressing the following topics in humans are encouraged:

- (1) the association between diet and/or nutritional status and the primary risk of cancer or its progression;
- (2) the association between diet and/or nutritional status and its role in during cancer treatment, and survivorship;
- (3) diet and/or nutritional status and its role during supportive or palliative treatment for cancer;
- (4) the effectiveness of dietary interventions in cancer prevention or control;
- (5) investigations aimed at determining key components of interventions that effectively result in dietary adherence;
- (6) program implementation and dissemination to diagnosis and provide Medical Nutrition Therapy (MNT) for malnutrition in cancer patients;
- (7) investigations of the underlying mechanisms of the effect of diet or nutritional status on carcinogenesis or progression (only studies in human subjects not animal studies or in vitro studies);
- (8) development, and evaluation of tools relevant for nutritional status evaluation in cancer;
- (9) exploitation and misinformation regarding nutrition and cancer;
- (10) understanding the experiences (e.g. socioeconomic, behavioral, environmental) and behaviors relevant to diet and nutritional status in patients with cancer;
- (11) dissemination of evidence-based programs for nutrition status assessment and/or MNT in oncology care; and
- (12) training of healthcare professionals in oncology nutrition.



Nutrition and diet can encompass nutrients (individual or combinations), dietary supplements, foods, food groups, diets and/or dietary patterns.

This is not an exhaustive list of articles that will be considered for this Theme Issue. If they align with JAND's interests in nutritional science, medical nutrition therapy, public health nutrition, food science and biotechnology, foodservice systems, leadership and management, and dietetics education, and consider the role of these specifically in the context of cancer, they will also be considered.

We welcome high quality epidemiological studies, clinical trials, questionnaire survey research, qualitative studies and syntheses of these. Submissions can be research papers (3500-5000 words), research briefs (2500-3000 words), systematic reviews, scoping reviews or narrative reviews.

Submission to this Theme Issue is by pre-approval only. Authors who are interested in submitting an article for this Theme Issue are required to submit an abstract (up to 300 words) to Dr. Wendy Demark-Wahnefried (demark@uab.edu) and Dr. Cynthia Thomson (cthompson@arizona.edu) by August 31, 2025. For all submissions that include research data, this abstract must include: Background, Objective, Design, Participants/Setting, Intervention (if applicable), Main Outcome Measures, Analyses Performed, anticipated or measured Results, and Conclusions, consistent with JAND's Manuscript Preparation Guidelines (<https://www.jandonline.org/content/authorinfo#abs>). For narrative reviews, this abstract should be in continuous text. Only after abstract review by journal editors, will authors be notified of their invitation to submit a full manuscript to this Theme Issue. An invitation to submit a full manuscript does not guarantee publication, all manuscripts will undergo a full peer review process. All submissions should be prepared according to JAND's Manuscript Preparation Guidelines and submitted in the portal under the category "Nutrition and Cancer." Additionally, we ask that authors address their cover letter, included with their submission, to the Guest Editors and state their intention to submit to the Special Issue in the first sentence.

Deadlines:

- Open for abstracts NOW
- Abstract deadline 1 September 2025
- Invitations to submit a full article sent out by 1 October 2025
- Full articles due 15 December, 2025
- Special issue published October 2026 (subject to change)

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Research Operations Program Manager at in the Laboratory of Justin Brown at AdventHealth Orlando, FL

This opportunity is announced by **Justin Brown (TREC Fellow 2023)** who is recruiting for this position – PhD level applicants are welcome hence anyone in the TREC Community is invited to apply. [Apply for Research Operations Program Manager Jobs in Orlando, FL | AdventHealth](#)

Associate Director of Community Outreach and Engagement (AD for COE) at the University of Pittsburgh Medical Center Hillman Cancer Center, in Pittsburgh, PA

This opportunity is announced by **Dr. Kathryn Schmitz (TREC SAB and Faculty)**. The AD for COE reports directly to UPMC Hillman Cancer Center Director and is a member of UPMC Hillman's Senior Leadership Team. The AD for COE will play a critical role in leading community outreach and engagement as well as screening and prevention studies to quantify and intervene to overcome barriers to screening and early detection of cancer in under-represented minority and rural members of UPMC Hillman catchment

area. These appointments are associated with an expectation of promoting external NCI peer reviewed funding, leading the designated programs specifically set forth in the NCI P30 CCSG RFA and stimulating collaborations and our UPMC Hillman network.

**Associate Director for Community Outreach and Engagement
UPMC Hillman Cancer Center, Pittsburgh, PA**

UPMC Hillman Cancer Center (UPMC Hillman) seeks a dynamic Professor level faculty leader with demonstrated experience in community-engaged outreach, research and/or practice to support bidirectional engagement with community members, community organizations, and other stakeholders. The **Associate Director for Community Outreach and Engagement (AD for COE)** will work closely with the Director, Deputy Director, and other Associate Directors to coordinate a community outreach and engagement agenda for UPMC Hillman.

Pittsburgh is routinely ranked as one of the top-most livable and affordable U.S. cities. Located in the city of Pittsburgh's Shadyside neighborhood, UPMC Hillman is an NCI-designated comprehensive matrix cancer center focused on state-of-the-art cancer research, training the next generation of cancer researchers, and community outreach. In 2020, UPMC Hillman celebrated its 34th anniversary and the renewal of its 5-year NCI Cancer Center Support Grant (CCSG) that resulted in Hillman Research Administration scoring in the 'Exceptional' range and qualifying UPMC Hillman for a 2-year merit extension. UPMC Hillman serves 29 western PA counties serving nearly 5 million individuals and provides unique opportunities to collaborate with clinical and translational research programs involved in cancer patient care, including the University of Pittsburgh, Magee-Women's Research Institute and UPMC Children's Hospital of Pittsburgh. UPMC Hillman has over 330 members, 7 scientific programs, 10 CCSG-supported shared resources, \$110 million of peer-reviewed cancer-relevant funding with over \$60 million from NCI, and an institutional funding base greater than \$150 million.

The AD for COE reports directly to UPMC Hillman Cancer Center Director and is a member of UPMC Hillman's Senior Leadership Team. The AD for COE will play a critical role in leading community outreach and engagement as well as screening and prevention studies to quantify and intervene to overcome barriers to screening and early detection of cancer in under-represented minority and rural members of UPMC Hillman catchment area. These appointments are associated with an expectation of promoting external NCI peer reviewed funding, leading the designated programs specifically set forth in the NCI P30 CCSG RFA and stimulating collaborations and our UPMC Hillman network.

Current CCSG COE Specific Aims:

Aim 1: Identify and monitor the cancer burdens of UPMC Hillman catchment area through multiple data sources and stakeholder input.

Aim 2: Implement evidence-based interventions to address the cancer burden within the catchment area and beyond, through strategic community outreach, education, and engagement.

Aim 3: Promote, inform, enhance and disseminate UPMC Hillman research in order to address identified catchment area burdens, ensure representation in clinical trials, synergize policy and advance science.

Major AD for COE tasks includes:

- Designated Leader for COE at UPMC Hillman.
- Member of the Senior Leadership Team (reporting directly to the UPMC Hillman Director)
- Formalize, expand, and lead the Office of Community Outreach.
- Support the enrollment and retention of clinical trial participants representative of the catchment area.
- Work with clinicians and researchers across UPMC Hillman to grow cancer health equity research and service activities throughout the catchment area.

Successful candidates must have a MD, PhD, or equivalent, an exceptional scientific research record encompassing translational or population-based research using state-of-the-art approaches evidenced by scholarly productivity (e.g., grants, publications), a productive academic record of cancer-related research relevant to community outreach and/or engagement. Minimum of 8+ years' experience in a Cancer Center or university setting. Prior leadership experience related to strategic planning, program implementation and/or evaluation is preferred with excellent written and oral communication, computer, people management, and interpersonal skills.

Interested applicants should submit a CV and 1-page personal statement highlighting your qualifications and experience, UPMC Hillman Interim Director, Kathryn Schmitz, PhD, MPH (care of holidaysm3@upmc.edu).

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EOE, including disability/vets.

Notify Diana of position announcements to include in the December newsletter!

Energy Balance and Cancer Publications from the TREC Community in the prior two months

**These are your energy balance and cancer manuscripts published in January or February 2025!
(We will capture March pubs for the next newsletter)**

All of the 56 pubs listed below have at least one TREC Fellow or Faculty author!

**We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media,
and they might even lead to future collaborations!**

- 1 [MANF facilitates breast cancer cell survival under glucose-starvation conditions via PRKN-mediated mitophagy regulation.](#)
Xiong Z, **Yang L**, Zhang C, Huang W, Zhong W, Yi J, Feng J, Zouxu X, Song L, Wang X.
Autophagy. 2025 Jan;21(1):80-101. doi: 10.1080/15548627.2024.2392415. Epub 2024 Sep 4.
PMID: 39147386 Free PMC article.
- 2 [Cardio-oncology rehabilitation and exercise: evidence, priorities, and research standards from the ICOS-CORE working group.](#)
Adams SC, Rivera-Theurel F, Scott JM, Nadler MB, Foulkes S, Leong D, Nilsen T, Porter C, Haykowsky M, Abdel-Qadir H, Hull SC, Iyengar NM, Dieli-Conwright CM, Dent SF, Howden EJ.
Eur Heart J. 2025 Feb 28;ehaf100. doi: 10.1093/eurheartj/ehaf100. Online ahead of print.
PMID: 40036781
- 3 [Linking Neighborhood Socioenvironmental Factors to Breast Pathogenesis-Implications for Breast Cancer.](#)
Bertrand KA, McCullough LE.
JAMA Netw Open. 2025 Feb 3;8(2):e2461353. doi: 10.1001/jamanetworkopen.2024.61353.
PMID: 39992658 No abstract available.
- 4 [Physical activity, metabolites, and breast cancer associations.](#)
Watts EL, Moore SC, Abar L, Hong HG, Saint-Maurice PF, O'Connell C, Matthews CE, Loftfield E.
J Natl Cancer Inst. 2025 Feb 1;117(2):355-365. doi: 10.1093/jnci/djae246.
PMID: 39383198 Free PMC article.
- 5 [Cancer-Related Cognitive Impairment and the Potential of Dietary Interventions for the Prevention and Mitigation of Neurodegeneration.](#)
Crowder SL, Gudenkauf LM, Hoogland AI, Han HS, Small BJ, Carson TL, Parker NH, Booth-Jones M, Jim HSL.
Cancer Res. 2025 Jan 15;85(2):203-217. doi: 10.1158/0008-5472.CAN-24-3041.
PMID: 39570793 Review.
- 6 [Exercise in cancer care for people with lung cancer: A narrative synthesis.](#)
Toohey K, Mizrahi D, Hart NH, Singh B, Lopez P, Hunter M, Newton RU, Schmitz KH, Adams D, Edbrooke L, Hayes S.
J Sci Med Sport. 2025 Jan;28(1):16-25. doi: 10.1016/j.jsams.2024.08.002. Epub 2024 Aug 8.
PMID: 39155211 Review.
- 7 [Health impacts of a remotely delivered prolonged nightly fasting intervention in stressed adults with memory decline and obesity: A nationwide randomized controlled pilot trial - ADDENDUM.](#)
James DL, Mun CJ, Larkey LK, Ofori E, Hawley NA, Alperin K, Vance DE, Sears DD.
J Clin Transl Sci. 2025 Jan 7;9(1):e3. doi: 10.1017/cts.2024.693. eCollection 2025.
PMID: 39830609 Free PMC article. No abstract available.

- 8 [From childhood cancer to metabolic syndrome.](#)
Wadhwa A.
Cancer. 2025 Jan 1;131(1):e35682. doi: 10.1002/cncr.35682.
PMID: 39749661 No abstract available.
- 9 [Dietary Fiber Intake and Risk of Advanced and Aggressive Forms of Prostate Cancer: A Pooled Analysis of 15 Prospective Cohort Studies.](#)
Sidahmed E, Freedland SJ, Wang M, Wu K, Albanes D, Barnett M, van den Brandt PA, Cook MB, Giles GG, Giovannucci E, Haiman CA, Larsson SC, Key TJ, Loftfield E, Männistö S, McCullough ML, Milne RL, Neuhaus ML, Platz EA, Perez-Cornago A, Sawada N, Schenk JM, Sinha R, Tsubane S, Visvanathan K, Wang Y, White KK, Willett WC, Wolk A, Ziegler RG, Genkinger JM, Smith-Warner SA.
J Acad Nutr Diet. 2025 Jan;125(1):11-23.e22. doi: 10.1016/j.jand.2024.04.006. Epub 2024 Apr 16.
PMID: 38636793
- 10 [Dietary Composition, Meal Timing, and Cancer-Related Fatigue: Insights From the Women's Healthy Eating and Living Study.](#)
Kleckner AS, Kleckner IR, Renn CL, Rosenblatt PY, Ryan AS, Zhu S.
Cancer Nurs. 2025 Jan-Feb 01;48(1):19-30. doi: 10.1097/NCC.0000000000001305. Epub 2023 Nov 30.
PMID: 38032743 Clinical Trial.
- 11 [Long-term behavioral symptom clusters among survivors of early-stage breast cancer: Development and validation of a predictive model.](#)
Pagliuca M, Havas J, Thomas E, Drouet Y, Soldato D, Franco MA, Ribeiro J, Chiodi CK, Gillanders E, Pistilli B, Menvielle G, Joly F, Lerebours F, Rigal O, Petit T, Giacchetti S, Dalenc F, Wassermann J, Arsene O, Martin AL, Everhard S, Tredan O, Boyault S, De Laurentiis M, Viari A, Deleuze JF, Bertaut A, André F, Vaz-Luis I, Di Meglio A.
J Natl Cancer Inst. 2025 Jan 1;117(1):89-102. doi: 10.1093/jnci/djae222.
PMID: 39250750
- 12 [Body Composition at Diagnosis and Early Response in Pediatric Hodgkin Lymphoma.](#)
Wadhwa A, Dai C, Kessel S, Richman JS, Shen W, Kahn JM, Castellino SM, Kelly KM, Friedman DL, Bhatia S.
Cancer Epidemiol Biomarkers Prev. 2025 Jan 16. doi: 10.1158/1055-9965.EPI-24-1231. Online ahead of print.
PMID: 39817816
- 13 [Call to Improve Coding of Cancer-Associated Cachexia.](#)
Goncalves MD, Dunne RF, Moore AC, Phillips W, Heymsfield SB, Brown JC, Talbert EE, Janowitz T.
JCO Oncol Pract. 2025 Jan 13;OP2400781. doi: 10.1200/OP-24-00781. Online ahead of print.
PMID: 39805066
- 14 [Comprehensive care for patients with bladder cancer: Addressing the interplay of physical, nutritional, and emotional well-being.](#)
Bergerot CD, Schmitz KH, Crane TE, Klaassen Z, Bergerot PG.

Cancer. 2025 Jan 1;131(1):e35670. doi: 10.1002/cncr.35670. Epub 2024 Nov 28.

PMID: 39607007 No abstract available.

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Deng Y, Moniruzzaman M, Rogers B, Jones KK, Saint-Maurice PF, Patel S, Berrigan D, Matthews CE, Tamura K.

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PMID: 39254781 Free PMC article.

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Valtis YK, Devlin S, Shouval R, Rejeski K, Corona M, Luna De Abia A, Rivas-Delgado A, Luttwak E, Cassanello G, Landego I, Schöder H, Bedmutha A, Boardman A, Shah GL, Scordo M, Perales MA, Salles G, Palomba ML, Shah UA, Park JH.

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PMID: 39471490 Free PMC article.

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Healthcare (Basel). 2025 Jan 28;13(3):256. doi: 10.3390/healthcare13030256.
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PMID: 39824380 Clinical Trial.

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PMID: 39832532 Clinical Trial.

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- 54 [Metabolic Phenotype and Risk of Obesity-Related Cancers in the Women's Health Initiative.](#)

Karra P, Hardikar S, Winn M, Anderson GL, Haaland B, Shadyab AH, Neuhouser ML, Seguin-Fowler RA, Thomson CA, Coday M, Wactawski-Wende J, Stefanick ML, Zhang X, Cheng TD, Karanth S, Sun Y, Saquib N, Pichardo MS, Jung SY, Tabung FK, Summers SA, Holland WL, Jalili T, Gunter MJ, Playdon MC.

Cancer Prev Res (Phila). 2025 Feb 3;18(2):63-72. doi: 10.1158/1940-6207.CAPR-24-0082.

PMID: 39540294

- 55 [A Novel Telehealth Exercise Program Designed for Rural Survivors of Cancer With Cancer-Related Fatigue: Single-Arm Feasibility Trial.](#)

Marker RJ, Kittelson AJ, Scorsone JJ, Moran IA, Quindry JC, Leach HJ.

JMIR Cancer. 2025 Jan 10;11:e59478. doi: 10.2196/59478.

PMID: 39793972 Free PMC article. Clinical Trial.

- 56 ["Everything cannot be handled virtually": Understanding intention and use of digital health technologies among rural adults and rural cancer survivors.](#)

Shi J, Robinson TA, Loomba P, Murley B, Strong LL, Basen-Engquist K, Mama SK.

J Rural Health. 2025 Jan;41(1):e12926. doi: 10.1111/jrh.12926.

PMID: 39878383

TREC Connects! Volume 7, Issue 2 (March 2025)

Visit us at [TRECTraining.yale.edu](https://trec.yale.edu)

Follow us on Linked In! <https://www.linkedin.com/groups/14363880>

**Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!**



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 3. April 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,

Greetings and hope you are doing well! Many updates for you with this newsletter -highlights include:

2025 TREC Workshop: We have nearly finalized the agenda for this year's Workshop which now is just ahead (June 23-27). So looking forward to meeting **twenty-two amazing 2025 TREC Fellows**, and to seeing many TREC faculty and alumni!

New Grants, Promotions, and Energy Balance + Cancer Publications: showcased below.

Aside from Workshop prep, much has been happening and below we have great news to share showcasing many of the terrific accomplishments that YOU have made this last month. Congrats to you all!

We feel such immense gratitude for YOU – our entire TREC community – and a **warm welcome to our 2025 Fellows!!!**

Enjoy!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Heather Leach, PhD. 2018 TREC Fellow

Title: Efficacy of a group-based videoconference intervention to increase physical activity in

Mechanism: National Institutes of Health, National Cancer Institute (R01CA296965)

PI: Sylvia Crowder, PhD, RDN. 2023 TREC Fellow

Title: The MIND-BC Study: Mind Diet for Breast Cancer Cognition

Mechanism: National Institutes of Health, National Cancer Institute (R01CA299480)

and

Title: The FEED Study: A Fermented Food Intervention for Rectal and Lung Cancer Patients

Mechanism: internal institutional (Moffitt) pilot award

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Justin Brown, PhD, TREC Fellow 2018, has relocated to AdventHealth in Orlando, Florida where he has started a new position as director, Exercise and cancer Biology Research Program. Justin can now be reached at Justin.Brown4@AdventHealth.com.

Congratulations, Justin!

Peter Washington, PhD, TREC Fellow 2023, has relocated to the University of California-San Francisco where he is an Assistant Professor in the Division of Clinical Informatics and Digital Transformation in the Department of Medicine. Peter's new email address is peter.washington@ucsf.edu. *That's awesome news, Peter – congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts – Announced in last TREC Newsletter but in case you missed it!

Justin Brown (TREC Fellow 2023) is co-leading a special collection for JNCI Cancer Spectrum. Justin extends this invitation:

Dear *JNCI Cancer Spectrum* Editorial Board Members,

We are very happy to announce that *JNCI Cancer Spectrum* is calling for papers investigating how *exercise and nutrition* impact cancer outcomes. We particularly encourage studies that involve clinical trials or prospective data collection over papers that are exploratory and analyze existing data for statistical associations without a well-considered biological mechanism. All manuscript types will be considered. Accepted papers will be published normally on advance access and moved into the open issue but also housed in a special collection on the journal website. The deadline for submissions is **September 1, 2025**.

We hope that you will submit your own work to the journal and share this announcement with your colleagues. Manuscripts should be submitted using the journal's submission site, at <https://www.editorialmanager.com/jncics/>. There will be a question to indicate the manuscript is answering this call for papers on exercise and nutrition. If you have any questions, please contact the Editorial Office at jncics.edoffice@oup.com.

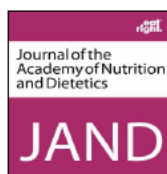
We hope you are excited about this call for papers and will consider *JNCI Cancer Spectrum* for submissions related to this topic; and again, we would sincerely appreciate your help to spread the word about it! We thank you for your time and dedication to the journal!

Kind Regards,
James B. Yu MD, MHS, FASTRO
Editor-in-Chief
JNCI Cancer Spectrum

Wendy Demark-Wahnefried and Cyndi Thomson (TREC Emerita Faculty) are co-editing a Nutrition and Cancer Issue of the Journal of Nutrition and Dietetics, and they invite TREC faculty and fellows to submit an abstract for the paper. Please see announcement below. Thank you for considering and please spread the word.

Guest Editors:

- Wendy Demark-Wahnefried, PhD, RD, University of Alabama at Birmingham, USA
- Cynthia A. Thomson, PhD, RD, University of Arizona, USA



The *Journal of the Academy of Nutrition and Dietetics* (JAND) is pleased to announce a Theme Issue focused on nutrition and cancer. There is great scientific interest in this topic from the discovery of the role of various nutrients, dietary patterns and nutritional status on cancer prevention, control and survivorship to the development and testing of interventions, as well as the implementation and dissemination of nutrition oncology science to stakeholders. This Theme Issue is an opportunity for the research and clinical communities to draw together high-quality original research and reviews that advance our understanding of nutrition and cancer.

Submissions on nutrition and cancer should address populations of interest including (but not limited to):

- The study of populations at risk (low, moderate or high risk) for diet-associated cancers;
- Oncology patients (active treatment) as well as longer-term survivors;
- Patients experiencing or at risk for treatment-related sequelae;
- Caregivers of patients experiencing a cancer diagnosis; and
- Health care providers serving oncology patients.

Articles addressing the following topics in humans are encouraged:

- (1) the association between diet and/or nutritional status and the primary risk of cancer or its progression;
- (2) the association between diet and/or nutritional status and its role in during cancer treatment, and survivorship;
- (3) diet and/or nutritional status and its role during supportive or palliative treatment for cancer;
- (4) the effectiveness of dietary interventions in cancer prevention or control;
- (5) investigations aimed at determining key components of interventions that effectively result in dietary adherence;
- (6) program implementation and dissemination to diagnosis and provide Medical Nutrition Therapy (MNT) for malnutrition in cancer patients;
- (7) investigations of the underlying mechanisms of the effect of diet or nutritional status on carcinogenesis or progression (only studies in human subjects not animal studies or in vitro studies);
- (8) development, and evaluation of tools relevant for nutritional status evaluation in cancer;
- (9) exploitation and misinformation regarding nutrition and cancer;
- (10) understanding the experiences (e.g. socioeconomic, behavioral, environmental) and behaviors relevant to diet and nutritional status in patients with cancer;
- (11) dissemination of evidence-based programs for nutrition status assessment and/or MNT in oncology care; and
- (12) training of healthcare professionals in oncology nutrition.

Nutrition and diet can encompass nutrients (individual or combinations), dietary supplements, foods, food groups, diets and/or dietary patterns.

This is not an exhaustive list of articles that will be considered for this Theme Issue. If they align with JAND's interests in nutritional science, medical nutrition therapy, public health nutrition, food science and biotechnology, foodservice systems, leadership and management, and dietetics education, and consider the role of these specifically in the context of cancer, they will also be considered.

We welcome high quality epidemiological studies, clinical trials, questionnaire survey research, qualitative studies and syntheses of these. Submissions can be research papers (3500-5000 words), research briefs (2500-3000 words), systematic reviews, scoping reviews or narrative reviews.

Submission to this Theme Issue is by pre-approval only. Authors who are interested in submitting an article for this Theme Issue are required to submit an abstract (up to 300 words) to Dr. Wendy Demark-Wahnefried (demark@uab.edu) and Dr. Cynthia Thomson (cthompson@arizona.edu) by August 31, 2025. For all submissions that include research data, this abstract must include: Background, Objective, Design, Participants/Setting, Intervention (if applicable), Main Outcome Measures, Analyses Performed, anticipated or measured Results, and Conclusions, consistent with JAND's Manuscript Preparation Guidelines (<https://www.jandonline.org/content/authorinfo#abs>). For narrative reviews, this abstract should be in continuous text. Only after abstract review by journal editors, will authors be notified of their invitation to submit a full manuscript to this Theme Issue. An invitation to submit a full manuscript does not guarantee publication, all manuscripts will undergo a full peer review process. All submissions should be prepared according to JAND's Manuscript Preparation Guidelines and submitted in the portal under the category "Nutrition and Cancer." Additionally, we ask that authors address their cover letter, included with their submission, to the Guest Editors and state their intention to submit to the Special Issue in the first sentence.

Deadlines:

- Open for abstracts NOW
- Abstract deadline 1 September 2025
- Invitations to submit a full article sent out by 1 October 2025
- Full articles due 15 December, 2025
- Special issue published October 2026 (subject to change)

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Notify Diana of position announcements to include in the May newsletter!

Energy Balance and Cancer Publications from the TREC Community in March 2025

These are your energy balance and cancer manuscripts published in March 2025!

We will capture April pubs for the next newsletter. Prior publications would have been listed in prior TREC Newsletters.

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer.

All of the 18 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

- 1 [Muscle wasting in cancer cachexia: Mechanisms and the role of exercise.](#)
Libramento ZP, Tichy L, **Parry TL**.
Exp Physiol. 2025 Mar 30. doi: 10.1113/EP092544. Online ahead of print.
PMID: 40159295 Review.
- 2 [Implementation and Efficacy of Total Wellness: A Community-Based Cancer Prevention and Lifestyle Intervention Program.](#)
Riegel DC, **Kwarteng JL**, Pinsonneault L, Contreras S, Wasserman E, Visotcky A, Manriquez Prado A, Villarreal Espinosa O, Sheean P, Tovar M, Jensik K, Vidaver RM, **Stolley MR**.
J Cancer Educ. 2025 Mar 29. doi: 10.1007/s13187-025-02589-z. Online ahead of print.
PMID: 40156663
- 3 [Amount and intensity of daily total physical activity, step count and risk of incident cancer in the UK Biobank.](#)
Shreves AH, Small SR, Walmsley R, Chan S, **Saint-Maurice PF**, Moore SC, Papier K, Gaitskell K, Travis RC, Matthews CE, Doherty A.
Br J Sports Med. 2025 Mar 26;bjsports-2024-109360. doi: 10.1136/bjsports-2024-109360. Online ahead of print.
PMID: 40139674
- 4 [Perioperative Supportive Care Interventions in Older Adults With Cancer: Opportunities and Challenges.](#)
Wang Y, Fleming F, **Loh KP**.
JCO Oncol Pract. 2025 Mar 7:OP2500032. doi: 10.1200/OP-25-00032. Online ahead of print.
PMID: 40053903 No abstract available.
- 5 [Exercise medicine for individuals diagnosed with Lung Cancer: A systematic review and meta-analysis of health outcomes.](#)
Ficarra S, **Kang DW**, **Wilson RL**, **Gonzalo-Encabo P**, Christopher CN, Normann AJ, Lopez P, Lakićević N, **Dieli-Conwright CM**.
Lung Cancer. 2025 Mar;201:108413. doi: 10.1016/j.lungcan.2025.108413. Epub 2025 Feb 5.
PMID: 39983446 Review.
- 6 [Coffee consumption and mortality in colorectal cancer patients: Does the co-existence of cardiometabolic disease matter?](#)
Oyelere AM, Verstraete FF, **Kok DE**, Bos D, Gunter MJ, de Wilt JHW, Keski-Rahkonen P, van Duijnhoven FJB, Kampman E.
Clin Nutr ESPEN. 2025 Mar 6;67:62-70. doi: 10.1016/j.clnesp.2025.02.025. Online ahead of print.
PMID: 40057276
- 7 [Determinants of healthy lifestyle behaviours in colorectal cancer survivors: a systematic review.](#)
de Vries-Ten Have J, **Winkels RM**, Bloemhof SAG, Zondervan A, Krabbenborg I, Kampman E, Winkens LHH.
Support Care Cancer. 2025 Mar 18;33(4):292. doi: 10.1007/s00520-025-09315-x.
PMID: 40097728 **Free PMC article**. Review.
- 8 [Patient Perspectives on Impact of Weight and Weight Stigma on Breast and Cervical Cancer Treatment: A Qualitative Study.](#)
Sorensen JL, West MM, Robinson KM, Charlton ME, Lizarraga IM, **Nash SH**.
Cancer Med. 2025 Mar;14(6):e70823. doi: 10.1002/cam4.70823.
PMID: 40111081 **Free PMC article**.
- 9 [Optimizing a mobile just-in-time adaptive intervention \(JITAI\) for weight loss in young adults: Rationale and design of the AGILE factorial randomized trial.](#)
Nezami BT, **Valle CG**, Wasser HM, Hurley L, Hatley KE, Tate DF.
Contemp Clin Trials. 2025 Mar;150:107808. doi: 10.1016/j.cct.2025.107808. Epub 2025 Jan 15.
PMID: 39824380 Clinical Trial.
- 10 [Image-Based Measures of Obesity are Associated with Alterations in Metabolic Pathways in Non-small Cell Lung Cancer.](#)
Pachimatla AG, Gee K, Hsiao HH, Yendamuri S, **Rosario S**.
Ann Surg Oncol. 2025 Mar;32(3):1628-1634. doi: 10.1245/s10434-024-16402-6. Epub 2024 Dec 13.
PMID: 39671163
- 11 [Healthcare provider perspectives on a clinical decision tool to support individualized exercise prescriptions and discussions for breast cancer survivors.](#)
Jayasekera J, Wilson OWA, Wojcik KM, **Kerr EM**, Brick R, Berrigan D, Sheng JY, Fujii T, Thomas K, Parson HK, Rajagopal PS, Street RL Jr.

- J Cancer Surviv. 2025 Mar 12. doi: 10.1007/s11764-025-01750-3. Online ahead of print.
PMID: 40074972
- 12 [Healthy Behaviors Among Non-Hispanic Black and Hispanic People Affected by Cancer During the Posttreatment Survivorship: A Qualitative Study.](#)
Seven M, **Moraitis AM**, Hammer MJ, Pearlman J, Reid AE, Sturgeon SR, Wenzel J.
Cancer Nurs. 2025 Mar-Apr 01;48(2):121-130. doi: 10.1097/NCC.0000000000001281. Epub 2023 Dec 13.
PMID: 38100762
 - 13 [Precision Exercise Effect on Fatigue and Function in Lung Cancer Surgery: A Randomized Clinical Trial.](#)
Ulrich CM, **Himbert C**, Barnes CA, Boucher KM, Daniels B, Bandera VM, **Ligibel JA**, Wetter DW, Hess R, Kim J, Lundberg K, Mitzman B, Marcus R, Finlayson SRG, LaStayo PC, Varghese TK Jr.
JAMA Surg. 2025 Mar 12:e250130. doi: 10.1001/jamasurg.2025.0130. Online ahead of print.
PMID: 40072448
 - 14 [Modeling how iso-caloric macronutrient substitutions are longitudinally associated with plasma kynurenines in colorectal cancer survivors up to 12 months posttreatment.](#)
Holthuisen DDB, van Roekel EH, Bours MJL, Ueland PM, Breukink SO, Janssen-Heijnen MLG, Konsten JL, Keulen ETP, McCann A, Brezina S, Gigic B, **Kok DE**, Ulrich CM, Weijenberg MP, Eussen SJPM.
J Nutr Biochem. 2025 Mar 28:109910. doi: 10.1016/j.jnutbio.2025.109910. Online ahead of print.
PMID: 40158742
 - 15 [Pharmacological Dissection Identifies Retatrutide Overcomes the Therapeutic Barrier of Obese TNBC Treatments through Suppressing the Interplay between Glycosylation and Ubiquitylation of YAP.](#)
Cui X, Zhu Y, Zeng L, Zhang M, Uddin A, Gillespie TW, **McCullough LE**, Zhao S, Torres MA, Wan Y.
Adv Sci (Weinh). 2025 Mar;12(11):e2407494. doi: 10.1002/advs.202407494. Epub 2025 Jan 27.
PMID: 39868848 **Free PMC article.**
 - 16 [Changes in weight and physical function for older African American women in Take Off Pounds Sensibly \(TOPS\): Study protocol for a randomized clinical trial.](#)
Mitchell NS, North R, Hung A, Porter Starr KN, Bales CW, Coffman CJ.
Contemp Clin Trials. 2025 Mar;150:107815. doi: 10.1016/j.cct.2025.107815. Epub 2025 Jan 18.
PMID: 39832532 Clinical Trial.
 - 17 [The impact of electronic patient-reported outcomes presentation during multi-disciplinary tumor board on clinician discussion of older adults' fitness and preferences.](#)
Henderson NL, Bourne G, Ortiz-Olguin E, Pywell C, Rose JB, **Williams GR**, Hussaini SMQ, Nipp RD, Rocque G.
J Geriatr Oncol. 2025 Mar 21;16(4):102225. doi: 10.1016/j.jgo.2025.102225. Online ahead of print.
PMID: 40120473
 - 18 [Accelerometer-measured physical activity, sedentary behavior, and mortality among cancer survivors: the Women's Health Accelerometry Collaboration.](#)
Hyde ET, Evenson KR, Bandoli GE, Zou J, Crespo NC, **Parada H Jr**, LaMonte MJ, Howard AG, Nguyen S, **Skiba MB**, **Crane TE**, Stefanick ML, Lee IM, LaCroix AZ.
JNCI Cancer Spectr. 2025 Mar 26:pkaf034. doi: 10.1093/jncics/pkaf034. Online ahead of print.
PMID: 40139695

TREC Connects! Volume 7, Issue 3 (April 2025)

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Follow us on Linked In! <https://www.linkedin.com/groups/14363880>

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 4. May 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,
Greetings and hope you are enjoying the end of the academic year!

We are excited to very soon enter another TREC-week, the TREC-2025 Workshop at Water's Edge in Connecticut! We have finalized the agenda for this year's event which now is just ahead (June 23-27) and are looking forward to meeting our **twenty-five amazing 2025 TREC Fellows** and seeing again many fellow alumni and faculty! We've made some exciting changes to the TREC-week agenda this year, based on former Fellows' feedback, so even nine years in it will be refreshed and fun! We thank all 2025 participants and look forward to learning from you. Stay safe, be well, and see many of you very soon!

Aside from Workshop prep, much has been happening and below we have great news to share showcasing many of the terrific accomplishments that YOU have made this past month. Congrats to you all!

We feel such immense gratitude for YOU – our entire TREC community – and a **warm welcome to our 2025 Fellows!!!**

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Heather Leach, PhD. 2018 TREC Fellow

Title: Efficacy of a group-based videoconference intervention to increase physical activity in
Mechanism: National Institutes of Health, National Cancer Institute (R01CA296965)

PI: Sylvia Crowder, PhD, RDN. 2023 TREC Fellow

Title: The MIND-BC Study: Mind Diet for Breast Cancer Cognition
Mechanism: National Institutes of Health, National Cancer Institute (R01CA299480), and
Title: The FEED Study: A Fermented Food Intervention for Rectal and Lung Cancer Patients
Mechanism: internal institutional (Moffitt) pilot award

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Prakash Radhakrishnan, PhD, TREC Fellow 2023 has accepted a faculty position (Professor) at the University of Louisville, Kentucky, where he will be Program Leader of pancreatic cancer translational research at Brown Cancer Center. Prakash thanks our TREC community for all of their support! Prakash can be reached at his new email address Prakash.radhakrishnan@louisville.edu. *Congratulations, Prakash – that is so exciting!*

Stephanie Compton, PhD, TREC Fellow 2023 has relocated to AdventHealth in Orlando, Florida where she will finish out her postdoc with Justin Brown (2018). Stephanie can now be reached at stephanie.compton@AdventHealth.com. *So great you've been able to continue your postdoc with Justin, Stephanie – congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Yue Liao (TREC Fellow 2019) is leading a special topic collection for Cancer Control on the topic of digital health and communication for cancer prevention and control. See her letter below:

Dear TREC Community,

I am pleased to launch this special collection in Cancer Control on the topic of digital health and health communication for cancer prevention and survivorship. This collection will bring together innovations and practical considerations in digital health for cancer research, highlighting interdisciplinary collaborations in behavioral sciences and health communication. I am excited to see the contributing articles to this collection. They will inspire new directions for future research and practice, ultimately improving health outcomes and well-being in our communities.

More information about this special collection can be found here (<https://journals.sagepub.com/topic/collections-ccx/ccx-001577/ccx>). Submission deadline is **October 14, 2025**. We will handle each article as we receive it. Please be sure to check if your institution already has an Open Access Agreement with Sage here (<https://us.sagepub.com/en-us/nam/open-access-agreements>). Feel free to reach out if you have any questions!



Dr. Liao, Yue MPH, PhD, CPH Assistant Professor
Public Health Program, Department of Kinesiology
College of Nursing and Health Innovation
Science & Engineering Innovation & Research (SEIR) Building, Room 137
Yue.liao@uta.edu

Justin Brown (TREC Fellow 2023) is co-leading a special collection for JNCI Cancer Spectrum. Justin extends this invitation:

Dear *JNCI Cancer Spectrum* Editorial Board Members,

We are very happy to announce that *JNCI Cancer Spectrum* is calling for papers investigating how *exercise and nutrition* impact cancer outcomes. We particularly encourage studies that involve clinical trials or prospective data collection over papers that are exploratory and analyze existing data for statistical associations without a well-considered biological mechanism. All manuscript types will be considered. Accepted papers will be published normally on advance access and moved into the open issue but also housed in a special collection on the journal website. The deadline for submissions is **September 1, 2025**.

We hope that you will submit your own work to the journal and share this announcement with your colleagues. Manuscripts should be submitted using the journal's submission site, at <https://www.editorialmanager.com/jncics/>. There will be a question to indicate the manuscript is answering this call for papers on exercise and nutrition. If you have any questions, please contact the Editorial Office at jncics.edoffice@oup.com.

We hope you are excited about this call for papers and will consider *JNCI Cancer Spectrum* for submissions related to this topic; and again, we would sincerely appreciate your help to spread the word about it! We thank you for your time and dedication to the journal!

Kind Regards,
James B. Yu MD, MHS, FASTRO
Editor-in-Chief, *JNCI Cancer Spectrum*

Wendy Demark-Wahnefried and Cyndi Thomson (TREC Emerita Faculty) are co-editing a Nutrition and Cancer Issue of the Journal of Nutrition and Dietetics, and they invite TREC faculty and fellows to submit an abstract for the paper. Please see announcement below. Thank you for considering and please spread the word.



Journal of the Academy of Nutrition and Dietetics
Advertisement for Nutrition and Cancer Theme Issue

Guest Editors:

- Wendy Demark-Wahnefried, PhD, RD, University of Alabama at Birmingham, USA
- Cynthia A. Thomson, PhD, RD, University of Arizona, USA



The *Journal of the Academy of Nutrition and Dietetics* (JAND) is pleased to announce a Theme Issue focused on nutrition and cancer. There is great scientific interest in this topic from the discovery of the role of various nutrients, dietary patterns and nutritional status on cancer prevention, control and survivorship to the development and testing of interventions, as well as the implementation and dissemination of nutrition oncology science to stakeholders. This Theme Issue is an opportunity for the research and clinical communities to draw together high-quality original research and reviews that advance our understanding of nutrition and cancer.

Submissions on nutrition and cancer should address populations of interest including (but not limited to):

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Position Announcements

Notify Diana of position announcements to include in the May newsletter!

Other Announcements – ICYMI (In Case You Missed It!)

Forwarded to the TREC Community, from Dr. Linda Nebeling: [Annual Report to the Nation: Cancer deaths continue to fall - NCI](#)

Also from Dr. Nebeling: **Administrative Supplement Opportunities:**

The Division of Cancer Control and Population Sciences has posted the following:

- Administrative Supplements on Long-term Cancer Survivorship

- Administrative Supplements to Advance Development of Transdisciplinary and Large-Scale Population Science and Cancer Control Research Projects
- Administrative Supplements for Research Leveraging Novel Data Science Approaches to Address Integration of Modifiable Risk Factors on Cancer Outcomes

Details for these new administrative supplement opportunities, including their research objectives, application and submission information, the review and selection process, and scientific contacts are available on the DCCPS website:

<https://cancercontrol.cancer.gov/>.

Energy Balance and Cancer Publications from the TREC Community in April and May 2025

These are your energy balance and cancer manuscripts published in April or May 2025!

We will capture June pubs for the next newsletter. Prior publications would have been listed in prior TREC Newsletters.

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer.

All of these 39 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

- 1 [The gut microbiome enhances breast cancer immunotherapy following bariatric surgery.](#) Bohm MS, Joseph SC, **Sipe LM**, Kim M, Leatham CT, Mims TS, Willis NB, Tanveer UA, Elasy JH, Grey EW, Pye ME, Mustafa ZT, Harper BA, McGrath LG, Daria D, Landvoigt Schmitt B, Myers JA, Pantoja Newman P, Pence BD, Van der Merwe M, Davis MJ, Pierre JF, Makowski L. JCI Insight. 2025 Apr 24:e187683. doi: 10.1172/jci.insight.187683. Online ahead of print. PMID: 40272913
- 2 [Exercise interventions for older adults with advanced cancer: A scoping review.](#) Sattar S, Haase KR, Tejero I, Bradley C, Cobbing S, Pathak N, Callow JH, Lam JA, Perlson C, Del Socorro KJ, **Nadler MB**, Alibhai SMH, **Campbell KL**, Papadopoulos E. J Geriatr Oncol. 2025 Apr 7;16(4):102237. doi: 10.1016/j.jgo.2025.102237. Online ahead of print. PMID: 40199228 Review.
- 3 [Body Composition at Diagnosis and Early Response in Pediatric Hodgkin Lymphoma.](#) **Wadhwa A**, Dai C, Kessel S, Richman JS, Shen W, Kahn JM, Castellino SM, Kelly KM, Friedman DL, Bhatia S. Cancer Epidemiol Biomarkers Prev. 2025 Apr 3;34(4):560-567. doi: 10.1158/1055-9965.EPI-24-1231. PMID: 39817816
- 4 [Obesity-specific improvement of lung cancer outcomes and immunotherapy efficacy with metformin.](#) Smith RJ Jr, Zollo R, Kalvapudi S, Vedire Y, Pachimatla AG, Petrucci C, Shaller G, Washington D, Rr V, Sass SN, Srinivasan A, Kannisto E, Bawek S, Jain P, **Rosario S**, **Barbi J**, Yendamuri S. J Natl Cancer Inst. 2025 Apr 1;117(4):673-684. doi: 10.1093/jnci/djae295. PMID: 39560490
- 5 [Many ways, one destination: a comprehensive review of screening and assessment tools to detect malnutrition in patients with ovarian cancer.](#) Fumagalli D, De Vitis LA, Sonik R, Jatoi A, **Kumar A**. Int J Gynecol Cancer. 2025 Apr;35(4):100036. doi: 10.1016/j.ijgc.2024.100036. Epub 2024 Dec 17. PMID: 39971660 Review.
- 6 [Weight Loss Reverses the Effects of Aging and Obesity on Mammary Tumor Immunosuppression and Progression.](#) Smith LA, Craven DM, Ho AN, Glennie EM, Rezeli ET, Carson MS, **Paules EM**, Fay M, Cozzo AJ, **Hursting SD**, **Coleman MF**. Cancer Prev Res (Phila). 2025 Apr 15. doi: 10.1158/1940-6207.CAPR-24-0514. Online ahead of print. PMID: 40231562
- 7 [Too much, too little, or just right: Exercise triage pathways for patients with cancer.](#) **Cao C**, **Ligibel JA**. Cancer. 2025 Apr 15;131(8):e35851. doi: 10.1002/cncr.35851. PMID: 40233130 No abstract available.
- 8 [Understanding frailty and the role of patient-centered care for older adults with gynecologic cancer.](#) Cham S, **Kumar A**, Walter LC, Lichtman S, Tew WP. Gynecol Oncol. 2025 Apr 2;196:42-53. doi: 10.1016/j.ygyno.2025.03.035. Online ahead of print. PMID: 40179515 Review.
- 9 [Speaking of survival: oncologists' approaches to risk behavior conversations with cancer survivors.](#) Kerstiens S, Scherr CL, Jacobs M, Carroll AJ, Jayeoba M, Daly ER, **Phillips SM**, Hitsman B, Garcia SF, Spring B. J Cancer Surviv. 2025 Apr 15. doi: 10.1007/s11764-025-01798-1. Online ahead of print. PMID: 40229583
- 10 [Effects of urban greenspace on time to major adverse cardiovascular events among women with breast cancer in the US: Insights from the Greater Milwaukee, WI Area.](#) Bikomeye JC, Tarima S, Zhou Y, **Kwarteng JL**, Beyer AM, Yen TWF, Winn AN,

- Beyer KMM. Health Place. 2025 Apr 4;93:103460. doi: 10.1016/j.healthplace.2025.103460. Online ahead of print. PMID: 40187121
- 11 [A remotely delivered exercise-based rehabilitation program for patients with persistent chemotherapy-induced peripheral neuropathy \(EX-CIPN\): Protocol for a phase I feasibility trial.](#) Antonen EM, **Nadler MB**, Langelier DM, Campbell KL, Flamer D, Cho JH, Capozza S, Avery L, Bland KA, Leatherdale S, Manthorne J, Jones JM. PLoS One. 2025 Apr 29;20(4):e0322371. doi: 10.1371/journal.pone.0322371. eCollection 2025. PMID: 40299845 **Free PMC article.** Clinical Trial.
 - 12 [The impact of cardiovascular risk factors on cancer progression: a prospective study in female breast cancer survivors.](#) Feng X, Deng Z, McCullough MS, May BJ, Selznick E, **Sheng JY**, Connor AE, Armstrong DK, Visvanathan K. Breast Cancer Res Treat. 2025 Apr;210(3):737-748. doi: 10.1007/s10549-025-07611-y. Epub 2025 Feb 10. PMID: 39928264
 - 13 [Gut Microbiota in Immuno-Oncology: A Practical Guide for Medical Oncologists With a Focus on Antibiotics Stewardship.](#) Elkrif A, Routy B, Derosa L, Bolte L, Wargo JA, **McQuade JL**, Zitvogel L. Am Soc Clin Oncol Educ Book. 2025 Jun;45(3):e472902. doi: 10.1200/EDBK-25-472902. Epub 2025 Apr 22. PMID: 40262063 Review.
 - 14 [The impact of treatment for muscle-invasive bladder cancer on health-related quality of life.](#) Nuijens ST, van Hoogstraten LMC, Terpstra NB, Beeren I, **Vrieling A**, Wijnen EM, Meijer RP, Kiemeny LA, Witjes JA, Aben KKH. BJU Int. 2025 Apr 16. doi: 10.1111/bju.16736. Online ahead of print. PMID: 40241435
 - 15 [Pilot Feasibility Study of Physical Activity to Manage Bowel Dysfunction in Survivors of Rectal Cancer.](#) Nehemiah A, Pettke EN, Appel S, **Garcia DO**, Bea JW, **Thomson CA**, Sun V, Krouse RS. Dis Colon Rectum. 2025 Apr 1;68(4):483-490. doi: 10.1097/DCR.0000000000003583. Epub 2024 Dec 23. PMID: 39714033
 - 16 [Life-space mobility trajectory patterns and associated characteristics in older cancer survivors: a secondary data analysis.](#) Taylor RA, Bakitas M, Wells R, Odom JN, Kennedy R, **Williams GR**, Frank J, Li P. BMC Geriatr. 2025 Apr 30;25(1):297. doi: 10.1186/s12877-025-05940-7. PMID: 40307713 **Free PMC article.**
 - 17 [Epidemiological Analysis of Obesity-related co-morbidities and mortality among post- menopausal women diagnosed with endometrial cancer: A Randomized Controlled Trial.](#) **Thomson CA**, **Basen-Engquist K**, Robles-Morales R, Roe DJ, Erdrich J, Trabert B, Saquib N, Cote ML, Qi L, Lane DS, **Crane TE**. Res Sq [Preprint]. 2025 Apr 8:rs.3.rs-6214415. doi: 10.21203/rs.3.rs-6214415/v1. PMID: 40297687 **Free PMC article.** Preprint.
 - 18 [Time-restricted eating to address persistent cancer-related fatigue among cancer survivors: a randomized controlled trial.](#) **Kleckner AS**, Clingan CL, Youngblood SM, **Kleckner IR**, Quick L, Elrod RD, Zhu S, Manoogian ENC, Panda S, Badros AZ, Emadi A. Support Care Cancer. 2025 Apr 5;33(4):353. doi: 10.1007/s00520-025-09394-w. PMID: 40186671 Clinical Trial.
 - 19 [Metabolomic Associations With Fatigue and Physical Function in Children With Cancer: A Pilot Study.](#) **Withycombe JS**, **Bai J**, Xiao C, Eldridge RC. Biol Res Nurs. 2025 Apr 19:10998004251335639. doi: 10.1177/10998004251335639. Online ahead of print. PMID: 40251999
 - 20 [Feasibility of Daily Assessments of Chemotherapy Toxicities to Predict Daily Exercise Behavior During a Home-Based Exercise Intervention.](#) Chung K, Wagenknecht AG, **Kleckner AS**, **Loh KP**, Lin PJ, Ryan AS, Zhu S, Rosenblatt P, **Kleckner IR**. Oncol Nurs Forum. 2025 Apr 23;52(3):179-190. doi: 10.1188/25.ONF.179-190. PMID: 40293932
 - 21 [Precision Exercise Effect on Fatigue and Function in Lung Cancer Surgery: A Randomized Clinical Trial.](#) Ulrich CM, **Himbert C**, Barnes CA, Boucher KM, Daniels B, Bandera VM, **Ligibel JA**, Wetter DW, Hess R, Kim J, Lundberg K, Mitzman B, Marcus R, Finlayson SRG, LaStayo PC, Varghese TK Jr. JAMA Surg. 2025 May 1;160(5):495-519. doi: 10.1001/jamasurg.2025.0130. PMID: 40072448 Clinical Trial.
 - 21 [Exercise interventions for older adults with advanced cancer: A scoping review.](#) Sattar S, Haase KR, Tejero I, Bradley C, Cobbing S, Pathak N, Callow JH, Lam JA, Perlon C, Del Socorro KJ, **Nadler MB**, Alibhai SMH, **Campbell KL**, Papadopoulos E. J Geriatr Oncol. 2025 May;16(4):102237. doi: 10.1016/j.jgo.2025.102237. Epub 2025 Apr 7. PMID: 40199228
 - 22 [Prevalence and Development of Cachexia Before and After Diagnosis of Non-small Cell Lung Cancer.](#) Gilmore LA, Willmann J, Olaechea S, Gilmore BW, Dee EC, Rao M, Gannavarapu BS, Venkateswaran S, Alvarez CM, Ahn C, de Ruyscher DKM, **Shah UA**, **Iyengar NM**, Gomez DR, Infante R, Iyengar P. Am J Clin Oncol. 2025 May 5. doi: 10.1097/COC.0000000000001211. Online ahead of print. PMID: 40323088
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- 24 [Understanding frailty and the role of patient-centered care for older adults with gynecologic cancer.](#) Cham S, **Kumar A**, Walter LC, Lichtman S, Tew WP. Gynecol Oncol. 2025 May;196:42-53. doi: 10.1016/j.ygyno.2025.03.035. Epub 2025 Apr 2. PMID: 40179515 Review.
- 25 [Impact of resistance training on inflammatory biomarkers and associations with treatment outcomes in colon cancer.](#) Lee S, Ma C, **Caan BJ**, Binder AM, **Brown JC**, Pena Perez A, Lee C, Weltzien E, Ross MC, Quesenberry CP, **Campbell KL**, **Cespedes Feliciano EM**, Castillo A, **Schmitz KH**, Meyerhardt JA. Cancer. 2025 May 1;131(9):e35865. doi: 10.1002/cncr.35865. PMID: 40278841 Clinical Trial.
- 26 [Resistance exercise combined with protein supplementation for skeletal muscle mass in people with pancreatic cancer undergoing neoadjuvant chemotherapy: Study protocol for the REBUILD trial.](#) **Gonzalo-Encabo P**, Gardiner J, Norris MK, **Wilson RL**, Normann AJ, Nguyen D, **Parker N**, Tjogas D, Brais LK, Meyerhardt JA, Rosenthal MH, Wolpin BM, Uno H, **Dieli-Conwright CM**. PLoS One. 2025 May 2;20(5):e0322192. doi: 10.1371/journal.pone.0322192. eCollection 2025. PMID: 40315221 **Free PMC article.**
- 27 [Effects of urban greenspace on time to major adverse cardiovascular events among women with breast cancer in the US: Insights from the Greater Milwaukee, WI Area.](#) Bikomeye JC, Tarima S, Zhou Y, **Kwarteng JL**, Beyer AM, Yen TWF, Winn AN, Beyer KMM. Health Place. 2025 May;93:103460. doi: 10.1016/j.healthplace.2025.103460. Epub 2025 Apr 8. PMID: 40187121
- 28 [Outcomes in Frail Patients Receiving BCMA-directed Bispecific Antibodies for Relapsed/Refractory Multiple Myeloma.](#) Adegbite BO, Tan CR, Shekarkhand T, Firestone RS, Jurgens EM, Miller KC, Lesokhin AM, Shah GL, Korde N, Rajeeve S, Landau HJ, Scordo M, Hassoun H, Maclachlan KH, **Shah UA**, Hultcrantz ML, Hamadeh IS, Derkach A, Nemirovsky D, Giralt SA, Mailankody S, Usmani SZ, Hashmi H. Blood Adv. 2025 May 2:bloodadvances.2025015973. doi: 10.1182/bloodadvances.2025015973. Online ahead of print. PMID: 40315372
- 29 [The Effects of Post-Diagnosis Recreational Aerobic Exercise among Breast Cancer Survivors: A Systematic Review/Meta-Analyses.](#) **Wilson OW**, Matthews CE, Wojcik KM, Tarasenko YN, Butera G, **Gorzeltz J**, Schechter C, **Sheng JY**, Jayasekera J. Cancer Epidemiol Biomarkers Prev. 2025 May 19. doi: 10.1158/1055-9965.EPI-24-1798. Online ahead of print. PMID: 40387563
- 30 [Intake and Nutritional Adequacy in Patients With Cancer Diagnosed With Malignant Bowel Obstruction: A Secondary Analysis of a Randomized Trial.](#) **Thomson CA**, Arnold KB, Anderson G, Sun V, Secord AA, Yung A, Al-Kasspooles M, Nfonso VN, Grant M, Deutsch GB, Deneve JL, Krouse RS. J Acad Nutr Diet. 2025 May;125(5):654-665.e3. doi: 10.1016/j.jand.2024.11.011. Epub 2024 Nov 26. PMID: 39603592 Clinical Trial.
- 31 [Developing Behavior Change Model-Informed and Participant-Engaged Retention Strategies for Adolescents and Young Adults With Cancer Enrolled on Behavioral and/or Psychosocial Trials.](#) McGrady ME, Webster RT, Burke M, Gomez C, Breen G, Herriott JK, Norris RE, **Ketterl TG**. Pediatr Blood Cancer. 2025 May;72(5):e31583. doi: 10.1002/pbc.31583. Epub 2025 Feb 17. PMID: 39962345
- 32 [Early-life anthropometry and colorectal cancer risk in adulthood: Global Cancer Update Programme \(CUP Global\) systematic literature review and meta-analysis of prospective studies.](#) van Zutphen M, Verkaar AJCF, van Duijnhoven FJB, Voortman T, Baskin ML, Chowdhury R, Copson E, Lewis SJ, Hill L, Krebs J, Weijenberg MP, Seidell JC, Park Y, Baker JL, Amiri M, de Crom TOE, Llanaj E, Meulenbeld A, Lara M, Mou Y, Gordon-Dseagu VLZ, González-Gil EM, Markozannes G, Tsilidis KK, Chan DSM, Kampman E, **Kok DE**. Int J Cancer. 2025 May 28. doi: 10.1002/ijc.35461. Online ahead of print. PMID: 40432531
- 33 [Malnutrition Risk Is Associated With All-Cause Mortality and Chemotherapy Complications Among Adults Diagnosed With Diverse Cancer Types: A Retrospective Cohort Study.](#) Hoobler R, Herrera M, Woodruff K, **Sanchez A**, **Coletta AM**, Chaix A, Elizondo J, **Playdon MC**. J Acad Nutr Diet. 2025 May 5:S2212-2672(25)00153-4. doi: 10.1016/j.jand.2025.04.014. Online ahead of print. PMID: 40334935
- 34 [Exercise to enhance cardiovascular health among black men with prostate cancer with androgen deprivation therapy \(the POWER trial\): A study protocol.](#) **Kang DW**, Ficarra S, **Wilson RL**, Morgans AK, Nguyen PL, Rebbeck TR, Einstein DJ, Uno H, Mossanen M, Hill DM, **Gonzalo-Encabo P**, Norris MK, Gardiner J, Tjogas D, Greer J, **Dieli-Conwright CM**. Contemp Clin Trials. 2025 May 30:107973. doi: 10.1016/j.cct.2025.107973. Online ahead of print. PMID: 40451460
- 35 [Reduced adipose tissue with limited loss of lean mass after weight loss: results from the Prostate Active Lifestyle Study.](#) Schenk JM, Gulati R, Beatty SJ, Plymate S, Lin DW, Dash A, Porter MP, Vandoren M, Wright JL, **Neuhouser ML**. J Natl Cancer Inst. 2025 May 10:djaf113. doi: 10.1093/jnci/djaf113. Online ahead of print. PMID: 40347455

- 36 [Pre- and post-diagnosis body weight trajectories in patients with localized renal cell cancer.](#) **Vrieling A**, Olsson LT, Kleuters G, Maurits JSF, Aben K, Sedelaar JPM, Furberg H, Kiemeny LALM. Cancer Causes Control. 2025 May;36(5):497-507. doi: 10.1007/s10552-024-01957-2. Epub 2025 Jan 6. PMID: 39760894 **Free PMC article.**
- 37 [Enhancing quality of life in older adults with cancer: Outcomes of a 12-week supervised remote exercise intervention.](#) Bergerot PG, Bergerot CD, Silva JRG, Franca MVS, Hundal J, Fuzita WH, Lages PS, Dos Anjos G, de Azeredo AC, Patriota CB, Buso MM, Philip EJ, **Schmitz KH**, Florez N, Soto-Perez-de-Celis E. J Geriatr Oncol. 2025 Jun;16(5):102244. doi: 10.1016/j.jgo.2025.102244. Epub 2025 May 1. PMID: 40315753
- 38 [The impact of electronic patient-reported outcomes presentation during multi-disciplinary tumor board on clinician discussion of older adults' fitness and preferences.](#) Henderson NL, Bourne G, Ortiz-Olguin E, Pywell C, Rose JB, **Williams GR**, Hussaini SMQ, Nipp RD, Rocque G. J Geriatr Oncol. 2025 May;16(4):102225. doi: 10.1016/j.jgo.2025.102225. Epub 2025 Mar 21. PMID: 40120473
- 39 [Fatigue, physical function, and the context of social vulnerability for older adults with cancer.](#) Jensen-Battaglia M, Delmerico A, Mohamed M, Tylock R, Flannery M, Burnette BL, Desai N, Anthony N, Mustian K, **Loh KP**, Mohile SG, Seplaki CL, Gilmore N. J Geriatr Oncol. 2025 May 31;16(6):102284. doi: 10.1016/j.jgo.2025.102284. Online ahead of print. PMID: 40450795

Photo Gallery

TREC at AACR – April, 2025



Left to right:

Pat Kung, Jingran Ji, Spencer Rosario, Jennifer Davis, Faiza Kalam, Urvi Shah, Sarwish Rafiq, Tae-Hyung Kim
(please forgive me if I mis-identified anyone)

Going to an upcoming conference?
Notify Diana to help you organize a TREC Meet Up – and
send a photo for the newsletter!

TREC Connects! Volume 7, Issue 4 (May 2025)

Visit us at [TRECTraining.yale.edu](https://trec-training.yale.edu)

Follow us on Linked In! <https://www.linkedin.com/groups/14363880>

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 5. September 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,
Greetings and hope you had a fantastic summer!

We took the summer off from the Newsletter but back on our monthly cadence now.

TREC-week 2025 was another fantastic cohort of 25 new TREC fellows! So much learning, networking and opportunities to collaborate! We are now up to 227 TREC Fellows since we launched the Workshop 9 years ago!

Some new initiatives:

- (1) We developed a **TREC Members' Searchable Database** where you can look up TREC collaborators by keyword. See [excel attached to this newsletter email](#).
- (2) **TREC Working Groups!** Based on a TREC survey of working group interests, we created 21 working groups. Yes, this is a large number of WGs, and some WGs are quite large in participants, but we hope this initiative will facilitate collaborations. Listservs have been created, with emails sent out to WG members on a group-by-group basis (completed 9.28.25, see emails from Diana). The next step is that one or two TREC colleagues in that WG volunteer to take the lead in facilitating conversations of collaborative opportunities. The TREC Pediatric/AYA WG has already gotten a zoom date set to convene and share ideas. If you want to be included in a particular WG (or removed from one), please let Diana know. Here is the list of TREC WGs:

TREC Working Groups N = 21

Basic Science	GI cancer	Aging and Geriatric cancer
Clinical Science	GU cancer	Biomarkers
Population and Behavioral Science	Gynecologic cancer	Disparities
Body Composition	Lung cancer	Implementation science
Exercise and Sedentary Behavior	Blood cancer	Data Science/AI/Modeling
Nutrition	Bone cancer	Immuno-oncology
Breast cancer	Pediatric and AYA cancer	Cardio-oncology

- (3) We are launching recruitment for our **10th TREC cohort**. Be on the look-out for an email to help us spread the word and share the application with interested colleagues.
- (4) We are working on a **competitive renewal application** for our TREC R25. We will be reaching out to the TREC community for your input and letter of support.

Here's to another fantastic year for TREC!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Tae-Hyung Kim, PhD. 2022 TREC Fellow

Title: Cell type-specific molecular mechanisms by which glucose availability regulates cell mechanics and function

Mechanism: National Institutes of Health, National Institute of General Medical Sciences (R35GM157045)

PI: Deena Snoke, PhD. 2025 TREC Fellow

Title: Pathway to Independence Award

Mechanism: K99/R00, National Cancer Institute

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Brett Bade, MD, TREC Fellow 2020 has relocated to Mayo Clinic-Rochester! Brett can be reached at brettbade@gmail.com. Congrats on your move to Minnesota, Brett!

Biswadeep Dhar, PhD, TREC Fellow 2025 has accepted an Assistant Professor position in Health Sciences (Tenure Track), at James Madison University, College of Health and Behavioral Sciences. Biswadeep's new email address is b4txh@jmu.edu. Congratulations, Biswadeep!

Maria Chang Swartz, PhD, MPH, RD, TREC Fellow 2024 is now an Assistant Professor in the Department of Nutrition Sciences and Health Behavior at the University of Texas Medical Branch. Maria can now be reached at mcschwartz@utmb.edu. Wonderful news, Maria – congrats!

Paige Arneson-Wissink, PhD, TREC Fellow 2023 will be starting as an Assistant Professor at the Rosalind Franklin University of Medicine and Science in March 2026 in the Center for Genetic Diseases and Discipline of Biochemistry and Molecular Biology! This is fantastic, Paige! Please be sure to share your new email address with Diana when you receive it, so that we can keep you in the loop with all things TREC!

Suparna Clasen, MD, MSCE, TREC Fellow 2024 has transitioned to industry where she is Associate Vice President of Cardiometabolic Health Global Medical Affairs with the Eli Lilly and Company. Suparna can be contacted through [LinkedIn](#). Congratulations, Suparna!

Liz Salerno, PhD, TREC Fellow 2019 has relocated to the University of Michigan as an Assistant Professor of applied exercise science in the School of Kinesiology. Elizabeth's new email address is salerno@umich.edu. Way to go, Liz!

Neil Iyengar, MD, TREC Fellow 2017 has relocated to Emory University where he Co-Director of Breast Oncology and Director of Cancer Survivorship. Neil can be reached at nmiyeng@emory.edu. Welcome to the Peachtree City, Neil! Congrats!

Surya Viswanadhapalli, PhD, TREC Fellow 2023 has been promoted to tenure track Associate Professor! Surya remains at University of Texas Health San Antonio, and she can be reached at Viswanadhapa@uthscsa.edu. Fantastic news, Surya!

Aneesha Dasgupta, PhD, TREC Fellow 2025 has relocated to the University of Charlotte! She can be reached at adasgup2@charlotte.edu. Congrats, Aneesha!

Ryan Kane, MD, TREC Fellow 2024 has relocated to Tufts Medicine where he is now an Assistant Professor in the Division of General Internal Medicine and at the Food is Medicine Institute within the Friedman School of Nutrition Science and Policy. Ryan can now be reached at Ryan.Kane@tuftsmedicine.org. Way to go, Ryan!

Eunhan Cho, PhD, TREC Fellow 2024 has relocated to Advent Health, Orlando, where she serves as a Postdoctoral Fellow. Eunhan's new email address is Eunhan.Cho@AdventHealth.com. Have fun, Eunhan, and congrats!

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Call for Manuscripts for Nutrients Special Issue – from Adriana Coletta, TREC Fellow 2018

Dear TREC Community Members

I am pleased to share that I am serving as guest editor for a "Nutrients" Special Issue entitled "Dietary and Nutritional Guidelines for Cancer Patients." If you have an oncology nutrition-related manuscript ready for publication, or could be ready by March 2026, please consider submitting. Please see the flyer below for more details and/or reach out to me directly.

Sincerely,
Adriana

Adriana M Coletta PhD, MS, RD
Associate Professor
Department of Health and Kinesiology, University of Utah
Cancer Control and Population Sciences Program, Huntsman Cancer Institute at the University of Utah
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Special Issue

Dietary and Nutritional Guidelines for Cancer Patient

Message from the Guest Editor

I am pleased to invite you to submit your relevant scholarly work to our Special Issue "Dietary and Nutritional Guidelines for Cancer Patient." It is postulated that one's nutritional status at the time of cancer diagnosis and throughout cancer treatment has an impact on health outcomes and survival, yet more evidence is needed supporting this claim among varying cancer types and stages. Currently, the World Cancer Research Fund recommends following dietary guidelines for cancer prevention throughout cancer survivorship, yet new evidence is emerging supporting the utility of other dietary strategies to improve health outcomes and survivorship among those with varying cancer types and in different settings across the care continuum, such as diet timing (i.e., time-restricted feeding) and dietary patterns. We invite you to submit a manuscript that address any aspect of this topic, from research utilizing epidemiological data to clinical trials.

Guest Editor

Dr. Adriana Coletta

1. Department of Health and Kinesiology, University of Utah, Salt Lake City, UT, USA
2. Cancer Control and Population Sciences Program, Huntsman Cancer Institute at the University of Utah, Salt Lake City, UT, USA

Deadline for manuscript submissions

25 March 2026



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Yue Liao (TREC Fellow 2019) is leading a special topic collection for Cancer Control on the topic of digital health and communication for cancer prevention and control. See her letter below:

Dear TREC Community,

I am pleased to launch this special collection in Cancer Control on the topic of digital health and health communication for cancer prevention and survivorship. This collection will bring together innovations and practical considerations in digital

health for cancer research, highlighting interdisciplinary collaborations in behavioral sciences and health communication. I am excited to see the contributing articles to this collection. They will inspire new directions for future research and practice, ultimately improving health outcomes and well-being in our communities.

More information about this special collection can be found here (<https://journals.sagepub.com/topic/collections-ccx/ccx-001577/ccx>). Submission deadline is **October 14, 2025**. We will handle each article as we receive it. Please be sure to check if your institution already has an Open Access Agreement with Sage here (<https://us.sagepub.com/en-us/nam/open-access-agreements>). Feel free to reach out if you have any questions!

Dr. Liao, Yue MPH, PhD, CPH Assistant Professor
Public Health Program, Department of Kinesiology
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Yue.liao@uta.edu

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements -- and CV for a TREC Fellow seeking new opportunity

Tiffany Zúñiga, PhD, TREC Fellow 2024 is seeking an available opportunity either a new postdoc position, research assistant role, or possibly an appointment in industry. If anyone is aware of any opportunities in the exercise or tumor immunology fields, please let Tiffany know. She is keen to do human, basic science and has experience working with the tissues in mouse models. Tiffany's CV is attached to this newsletter email. Please reach out to her directly at tiffany.zuniga@cuanschutz.edu.

Faculty Position for the team working with the Black Women's Health Study (BWHS).
Announcement to TREC from Holli Loomans-Kropp (TREC Fellow 2024)



Faculty Position Cancer Epidemiology Slone Epidemiology Center at Boston University

The Slone Epidemiology Center at Boston University invites applications for a full-time faculty position in the field of cancer epidemiology. We are seeking motivated candidates at any level. We are eager to welcome a colleague who shares our commitment to making Boston University an inclusive, equitable, and diverse community—one where all members can thrive. We believe that diverse perspectives enhance the quality of intellectual exchange and the creation of knowledge.

Minimum qualifications include a doctoral degree in epidemiology or a related field (e.g., biostatistics, data science, bioinformatics, population health sciences), with demonstrated expertise in population-based cancer research and a track record of scholarship in the form of peer-reviewed publications. Candidates should already have or should demonstrate the potential for extramural research funding. Academic rank will be determined in accordance with the successful candidate's experience and scholarly record. The successful candidate will be expected to develop an extramurally funded independent research program with a focus on cancer prevention, cancer outcomes, or cancer molecular epidemiology based in part on data and resources from the Black Women's Health Study.

The Slone Epidemiology Center is located on the Boston University Medical Campus and includes faculty from both the Chobanian & Avedisian School of Medicine and the School of Public Health. We have strong research collaborations with faculty in multiple departments of those schools, including the Hematology/Oncology Section of the Department of Medicine, as well as with the Framingham Heart Study Center, the Boston University Clinical and Translational Science Institute, and the adjacent Boston Medical Center, a safety-net hospital. Slone faculty are not required to have teaching responsibilities.

Boston University offers highly competitive salaries, excellent medical and retirement benefits, a wide array of personal and professional resources, and an outstanding community of students and scholars with diverse professional and life experiences.

Interested candidates are invited to send a cover letter stating interest in the position and desired academic rank, curriculum vitae, a statement of current research interests and future research plans, and the names of three references. Materials should be emailed to Richard Vezina: rvezina@bu.edu. Review of applications will begin on September 15, 2025 and continue until the position is filled. Please feel free to reach out with any questions.

Boston University is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, gender identity, sexual orientation, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

Notify Diana of position announcements to include in the next newsletter!

Other Announcements

American College of Lifestyle Medicine: new credentialed course *Food as Medicine for Cancer Risk Reduction*.

2025 TREC Fellow, Dr. Kelly Cara, thought that many of you may be interested in this course that comes with CME credits exploring how food can be used as a clinical tool to reduce cancer risk and promote long-term health. [Learn more here](#).

AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics, October 22-26, Boston, MA
Program and registration [here](#).

AACR Special Conference: Cancer Evolution. Will be occurring December 4-6, 2025, in Albuquerque, NM. TREC Fellow (2022) Dr. Tae-Hyung Kim would be happy to host a TREC gathering at this meeting! If any of you are interested in a TREC gathering here, please let Diana Nd Tae-Hyung know and we will coordinate something! TaKim@salud.unm.edu, dlowry@fredhutch.org. Remember to put "TREC" in your email subject line!

AACR IO Conference: Discovery and Innovation in Cancer Immunology: Revolutionizing Treatment through Immunotherapy, February 18-21, Los Angeles, CA. [Learn more here](#).

Springer Book Authorship Opportunity -- from Curtis J. Henry, TREC Fellow 2019

Good people:

I hope this email finds each of you well today! I'm co-editing a book for Springer along with Dr. Sarwish Rafiq (TREC Fellow, Emory Univ. SOM), and Dr. Sunil Raikar (Emory Univ. SOM) entitled ***Impact of Comorbidities on Immunotherapies***. Given that many of our TREC family members work on topics such as obesity and metabolic disorders, we thought that those of you who study these relationships in regard to immunity and/or immunotherapies should have an opportunity to contribute a book chapter to our work, if interested. I've included the book chapters below for your perusal (chapter names are not finalized), so please let me know if you'd be interested in contributing to our book and I'll get back to with specific details including chapter formatting instructions. Also, the book is due to Springer in **April 2026**, so we would ask for chapters to be submitted to our team in **February 2026**.

A) Cancer, Immunity, & Immunotherapies

B) Aging, Cancer, and Immunotherapies

C) Autoimmunity and Immunotherapies

D) Metabolic Syndromes and Immunotherapies

- *Diabetes, Cancer, and Immunotherapies*
- *Cardiovascular Disease as a Comorbidity to Cancer and Immunotherapies*
- *Obesity, Cancer, and Immunotherapies*

E) Down Syndrome/Other Genetic Disorders, Cancer, and Immunotherapies

F) HIV/Chronic Infections, Cancer, and Immune-based Therapies

G) Treatment-related Comorbidities

- *Solid Organ Transplant*
- *Radiation Therapy*

Thank you for attention and we're really hopeful that we can get some of our TREC fellows to contribute to this work 😊. Enjoy your week everyone!

Curtis J. Henry, Ph.D. (he/him/his)

Deputy Associate Director of Engagement, Access, and Success (EAS)

The University of Colorado Cancer Center

Associate Professor of Immunology and Microbiology

The University of Colorado Anschutz Medical Campus

The David F. and Margaret Turley Grohne Endowed Chair in Translational Cancer Research

Office No.: 303.724.1933 Lab No.: 303.724.4391 Cell No.: 336.529.7985 Email: curtis.henry@cuanschutz.edu

Energy Balance and Cancer Publications from the TREC Community in June through Sept 2025

Attached to this email are your energy balance and cancer manuscripts published in June-September 2025!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 200 pubs listed in the attachment have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

In addition to these 200, Dr. Tae-Hyung Kim (TREC Fellow 2022) alerted us that one of his publications from May was missed in the May newsletter:

Kim TH, Tran Le MT, Oh M, Vazquez-Hidalgo E, Chavez B, Lamkin DM, Abdou A, Tan XHM, Christodoulides A, Farris CM, Lee C, Chiou PY, Sloan EK, Katira P, Rowat AC. [β-adrenergic signaling modulates breast cancer cell mechanical behaviors through a RhoA-ROCK-myosin II axis](#). iScience. 2025 May 15;28(6):112676. doi: 10.1016/j.isci.2025.112676. PMID: 40520106; PMCID: PMC12164020.

Photo Gallery – From TREC week 2025!



Left to right/top to bottom (please forgive me if I mis-identified anyone):

Biswadeep Dhar, Anouk Hiensch, Deena Snoke, Jawed Siddiqui, Olly Wilson, Mary Playdon, Katie Lemberg, Jingran Ji, Caroline Himbert, Kyle Smith, Forrest Baker, Melody Smith, Justin Brown, Lea Haverbeck Simon, Asmaa Elkenawi, Stephanie Dixon, Jennifer Fieber, Nabil Mir, Aneesha Dasgupta, Leah Puklin, Anlan Cao, Kelly Cara, Lindsey Mattick, Caterina Sposetti, Devon Cataldi, Diana Lowry, Melinda Irwin

Going to an upcoming conference?

Notify Diana to help you organize a TREC Meet Up – and send a photo for the newsletter!

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 6. October 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,
Welcome to our October edition of *TREC Connects*!

Brand new exciting announcement that TREC SAB member and NCI Consultant **Dr. Linda Nebeling** graciously offered, via a contract with individuals NCI works with, to do a **TREC Network Analysis** of all TREC Fellows' publications. With 201 Fellows included in the analysis, and limiting the publications to 6+ months after their TREC workshop participation (thus excluding the most recent cohort of TREC fellows) and limiting publications to energy balance and cancer related key works, there are 1,500 total publications, and 263 with 2+ TREC authors. Of the ones with 2+ TREC authors, 200 have a TREC Fellow as first or last author. The manuscripts are now being categorized into content area, aligned with the new TREC working groups. This will be fantastic data to include in our TREC R25 competitive renewal to be submitted for Jan 25, 2026 deadline and will be helpful to the TREC Working Groups which we recently launched. We will be sure to share the Network Analysis data with you as soon as it is available. **Thank you, Dr. Nebeling!**

Speaking of **TREC Working Groups**, recall we kicked those off last month and several of the WGs have made great progress thus far. The following groups have met at least once or are scheduled to meet and plans are afoot to develop a variety of collaborations.

- Basic Science. Has kicked off with Qi Chen (2020 TREC Fellow) as self-nominated volunteer lead.
- Immuno-Oncology. First meeting occurred Oct 17 with Michael Coleman (2022) as lead.
- Implementation Science. First meeting is scheduled for Nov 12 with Naomi Dolgoy (2021) as lead.
- Physical Activity. Kicked off with a survey to create subgroups – Diane Ehlers (2018) volunteered as overall lead.
- Pediatrics. Gold star for being the first WG to jump on this – met Oct 6, Brittany Ivory (2024) volunteered to organize and lead, in collaboration with a more senior investigator. Role of mid-senior co-lead remains open.

Other Working Groups:

If you **HAVE** kicked off and are not listed above, please notify Diana and Melinda, thanks!

If you have **NOT** kicked-off yet and would like ideas or help getting started, please reach out to Melinda and Diana. Thank you!

We have launched recruitment for our **10th TREC cohort**. See email from Diana dated 10/29/25 and help us spread the word.

We are working on a **competitive renewal application** for our TREC R25. We will be reaching out to the TREC community for your input and letter of support.

Other great news below – congrats to you all for your amazing work in energy balance and cancer research!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Robert "Nate" Helsley, PhD. 2024 TREC Fellow

Title: Deciphering the Mechanisms by which Long Chain Fatty Acid Oxidation Influences Spatial Microvesicular Steatosis

Mechanism: R01, National Institute of Diabetes and Digestive and Kidney Diseases

PI: Sarwish Rafiq, PhD. 2024 TREC Fellow

Title: Development of a Novel Armored CAR-T Immunotherapeutic for Pancreatic Cancer

Mechanism: NIH, 1R44CA298704-01

PI: Hannah Arem, PhD. 2018 TREC Fellow

Two new projects:

Title: Practical delivery of geriatric assessment in community oncology settings

Mechanism: NIH, 1UG3CA293878-01

Commentary about this project from Hannah: this project will provide a two year formative phase to tailor implementation strategies for delivering geriatric assessment to adults age 65+ prior to starting a new systemic therapy in oncology to increase adherence to the 2023 ASCO guidelines in the NCI's Community Oncology Research Program (NCORP). This will be the work preparatory to a four-year UH3 cluster randomized trial in the NCORP.

Title: Weekly electronic patient reported outcome symptom monitoring in oncology patients starting a new systemic therapy.

Mechanism: PCORI

Commentary about this project from Hannah: Not sure if other TREC members may be involved at other institutions, but if you are Hannah would be happy to connect on it. You can reach Hannah at Hannah.Arem@medstar.net

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Forrest Baker, PhD, TREC Fellow 2025 is now an Assistant Professor (tenure-track) at the University of South Carolina! Forrest's new email address is flbaker@sc.edu. That's awesome, Forrest – congratulations!

Sarwish Rafiq, PhD, TREC Fellow 2024 has been promoted to Associate Professor in the Department of Hematology and Medical Oncology at Emory University. Sarwish's email stays the same at Sarwish.rafiq@emory.edu. Amazing accomplishment, Sarwish!

Devon Cataldi, PhD, TREC Fellow 2025 has been awarded the Global Science Scholars Fellowship, jointly supported by the Stellar Science Foundation and the Chan Zuckerberg Biohub Network. Beginning December 2025, Devon will join the Institute of Medical Science, University of Tokyo as a Visiting Researcher in the Nishimura Lab (Division of Aging & Regeneration). His work will integrate cancer survivorship and body composition epidemiology with stem cell and regeneration biology, advancing translational insights into healthy aging. Program info: <https://www.czbiohub.org/program-ssfcz-global-science-scholars/>. The fellowship runs for two years, so Devon invites anyone in TREC to reach if you're ever in the area! He'd love to show you around the local scene and perhaps UTokyo's Medical Institute. You can still reach Devon at his U-Hawaii email address: dcataldi@cc.hawaii.edu. Super-fantastic, Devon, congrats!

Tyvette Hilliard, PhD, TREC Fellow 2019 has been promoted to Assistant Professor and relocated to Tuskegee University. If anyone has Tyvette's new email address, please send it to Diana and if you talk to Tyvette please extend all of our congrats!

Lea Haverbeck Simon, PhD, TREC Fellow 2025 has completed her postdoctoral training and has accepted a new position as Assistant Professor of Biomedical Sciences in the College of Dental Medicine at Roseman University of Health Sciences. At Roseman, Lea's goal is to shift to energetics and head and neck, specifically oral, cancer. Her new email address is lhaverbecksimon@roseman.edu. Yay Lea!

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Call for Manuscripts – Special Journal Issue Diet and Breast Cancer

TREC alum **Dr. Neil Iyengar** is guest editing a special issue of the Nature publishing group's breast cancer journal (*npj Breast Cancer*) which will be focused on metabolism and diet in breast cancer. While original research submissions are favored, the journal will also welcome meta-analyses, narrative reviews, and commentaries.

Here is a link to the call for papers: <https://www.nature.com/collections/gchgchibai>

Below is attached the announcement with more details. Submissions will be accepted up until June 17, 2026.

**nature
portfolio**

npj Breast Cancer

Call for papers

Metabolism and diet in cancer



@Corazza/iStock/Getty Images Plus

With rising global incidence of cancers driven by metabolic dysfunction, particularly in young people, advancing our collective understanding of the relationships between metabolism, diet, and cancer is critical for the development of more effective prevention and treatment strategies. The interplay between metabolic processes and cancer progression is complex and multifaceted, influencing tumor growth, response to therapy, and overall patient outcomes. By deepening our knowledge in this area, we can uncover novel therapeutic targets and dietary interventions that may improve quality of life, symptom control, and cancer outcomes.

Recent years have seen significant advances in our understanding of how metabolism influences cancer biology. The foundational discovery of the Warburg effect demonstrated that cancer cells leverage altered metabolic pathways to preferentially utilize glycolysis for energy production. More recent findings indicate that cancer cells may shift metabolism to adapt and leverage host energetic states. Furthermore, dietary components, such as polyunsaturated fatty acids and molecules with antioxidant properties, can modulate tumor and patient responses to treatment. These discoveries underscore the potential of integrating dietary strategies into cancer management, paving the way for personalized nutrition approaches that could enhance therapeutic efficacy.

Looking ahead, the future of research in metabolism and diet in cancer holds immense promise. As we continue to unravel the intricate connections between metabolic pathways and cancer, specific biomarkers may emerge that have the potential of predicting treatment response based on an individual's metabolic profile. The rise of precision medicine, coupled with advances in metabolomics and nutritional genomics, could lead to tailored dietary recommendations that optimize therapeutic outcomes. Additionally, exploring the role of the gut microbiome in cancer metabolism may unveil new avenues for intervention, as emerging evidence suggests that gut bacteria can influence tumor growth and treatment responses.

We invite researchers to contribute to this special Collection on Metabolism and Diet in Cancer, where innovative ideas and findings can be shared to advance our collective knowledge. Topics of interest include but are not limited to:

- Role of metabolic pathways in cancer
- Impact of diet on tumor progression
- Nutritional interventions in cancer therapy
- Gut microbiome and cancer metabolism
- Biomarkers for dietary response in cancer
- Personalized nutrition in cancer management
- Metabolomics in cancer research
- Dietary patterns and cancer risk

Guest Editors

Neil Iyengar, M.D., Winship Cancer Institute of Emory University, United States



SPRINGER NATURE GROUP
SDG Programme
supporting the Sustainable Development Goals



Please [click here](#) or scan the QR code to visit our website.
Submission Deadline: **29 July 2026**

RISE UP for Breast Cancer 2026 Call for Abstracts & Registration

Distributed previously – reposting in case you missed it. TREC Faculty **Dr. Jennifer Ligibel** would like you to be reminded of the Rise-Up group's Call for Abstracts

[Link to Abstract Submission Portal](#)

Before you can make a submission, you will be prompted to log in or set up an account with Oxford Abstracts.

Submission Deadline: November 1, 2025

Topics of Interest Include (*but are not limited to*):

- Trials that Transform Our Approach to Screening and Prevention
- Scalable Early Endpoints to Accelerate the Learning Cycle
- Modifiable Risk Factors

See the [RISE UP website](#) for the full list of sessions/abstract categories. You may select more than 1 relevant session/category for your submission.

Registration is officially open for **RISE UP for Breast Cancer 2026**, taking place on **February 19-21, 2026** at the **Hotel Nikko in San Francisco, CA!** [Register Here for RISE UP 2026](#) Please note - if you do not have a UCSF MyAccess login, you will need to create an account to register.

Take advantage of the special group rate at Hotel Nikko – just \$219 per night. Full details and booking information are available on this website: <https://riseup.ucsf.edu/>

Important Dates:

- Early Bird Registration Deadline: November 30, 2025
- Abstract Submission Deadline: November 1, 2025
- Notification of Acceptance: November 21, 2025

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Tenure Track Faculty Member, Cancer Prevention and Control, University of Iowa College of Public Health, Iowa City, Iowa
TREC PI **Dr. Melinda Irwin** would like you to be aware of this opportunity summarized [here](#). Screening of applications has begun and will continue until completion of the search process.

Notify Diana of position announcements to include in the next newsletter!

Other Announcements & Opportunities

2026 ExCEL Scholar Award Competition

An invitation to apply forwarded by TREC alum **Dr. En Cheng** from the Montefiore Einstein Comprehensive Cancer Center's Excellence in Career Enrichment Leadership (ExCEL) Committee:

2026 ExCEL Scholar Award Competition

An invitation to apply from Montefiore Einstein Comprehensive Cancer Center's Excellence in Career Enrichment Leadership (ExCEL) Committee

We are excited to announce the 2026 ExCEL Scholar Award competition, inviting postdoctoral researchers from across the country to present at a research symposium hosted by Montefiore Einstein Comprehensive Cancer Center (MECCC) in the Bronx, at Albert Einstein College of Medicine.

Awardees will present their work in one of MECCC's core research program areas:

- Tumor Microenvironment and Metastasis
- Stem Cell and Cancer Biology
- Cancer Therapeutics
- Cancer Epidemiology, Prevention & Control

Applicants at research labs in the United States are eligible (excluding current Albert Einstein College of Medicine postdoctoral fellows).

Application requirements include contact info, CV, research summary, letter of recommendation, area of core MECCC Research Program interest.

BENEFITS

- Travel and lodging expenses covered
- Excellent networking opportunity
- Learn more about MECCC
- Experience Pi Day at Montefiore Einstein!

Application Open Date:
October 1, 2025

Application Closing Date:
November 14, 2025

Date of Symposium:
March 16, 2026

HOW TO APPLY

LINKS:
Click [HERE](#) to access the application directly
Click [HERE](#) to learn more about the program

DEADLINE:
November 14, 2025

SCAN:
Scan the QR code below to begin your application



QUESTIONS:
Please email us at: excelsymposium@einsteinmed.edu.

Montefiore Einstein
Comprehensive Cancer Center



2026 ORBIT Institute: Developing Behavioral Treatments to Improve Health

TREC Advisor Dr. Linda Nebeling would like you to know about a training program that may be of interest:

The **2026 ORBIT Institute: Developing Behavioral Treatments to Improve Health** application portal is NOW OPEN! The deadline to submit your application for the 2026 cohort is Thursday, December 4, 2025.

To apply, complete the [APPLICATION FORM](#) and attach all application materials. Please review the [ELIGIBILITY CRITERIA](#).



Orbit
Institute

NIH SHORT COURSE

ORBIT Institute: Developing Behavioral Treatments to Improve Health

Tallahassee, FL | May 12-15, 2026

Application Deadline: December 4, 2025

Apply at: CTBS.FSU.EDU/ORBIT-INSTITUTE

TO THE
COLLEGE OF
FSU

CENTER FOR TRANSLATIONAL
BEHAVIORAL SCIENCE
COLLEGE OF MEDICINE

Funded by the National Cancer Institute (1R25CA455065-01A1) & the NIH Office of Behavioral and Social Sciences Research (OBSSR)

This course will be open to scientists with an interest in behavioral treatment development to improve health behaviors. While applied behavioral and social scientists are the focus, basic scientists and methods experts are encouraged to apply as well. Any post-graduate investigator (doctoral or

terminal degree received) in the medical, behavioral, social, and statistical/methodology sciences who has a demonstrated, pre-existing interest in contributing to investigator teams in developing and testing behavioral treatments is eligible to apply to this course. [Visit our FAQ page](#) and if you have additional questions, you may contact the ORBIT team at orbit.institute@med.fsu.edu or 850-644-2334.

If your application is accepted, you will be **required to**:

1. Attend the **in-person** ORBIT Institute Workshop May 12-15, 2026, in Tallahassee, FL.
2. Attend bi-weekly webinars (i.e. virtual workshop training seminars) following the in-person meeting.
3. Complete all program training activities, including all program evaluation components.

Useful Links:

ORBIT Institute Website:

<https://ctbs.fsu.edu/orbit-institute-nih-short-course>

Eligibility Criteria & Application:

<https://ctbs.fsu.edu/orbit-institute/apply-orbit-institute>

Application Form:

<https://app.smartsheet.com/b/form/d096fc44ded24469b08e8f9a25e51327>

FAQs:

<https://ctbs.fsu.edu/orbit-institute/orbit-institute-faqs>

LinkedIn: @ctbscience

#2026ORBIT

NCCOR Update OPUS Workshop Insights – includes information about publicly available resources!

Dr. Nebeling also would like to share updates from Dr. Jill Reedy about NCCOR and the OPUS Workshop Series:

Subject: OPUS Workshop Insights Are Now Available as Learning Guides

Good morning,

Thank you again for sharing your expertise during NCCOR's [OPUS workshop series](#) last year. Contributions helped shape an important conversation on advancing policy, systems, and environmental (PSE) approaches to improve nutrition and physical activity access for children and communities.

To ensure these insights continue to make an impact, we've created the **OPUS Learning Guides**—a collection of resources that distill key lessons and strategies from the workshop keynote presentations into practical tools for professors, students, and early-career researchers. These guides make it easy to integrate OPUS concepts into classrooms, research projects, and applied work.

Access the OPUS Learning Guides on the [NCCOR Student Hub](#).

We'd love your help in getting these resources into the hands of those who will benefit most. Please feel free to share them with your colleagues, networks, and students. Thank you again for your valuable contributions to OPUS and the field.

Sincerely,
NCCOR Coordinating Center

Energy Balance and Cancer Publications from the TREC Community in October 2025

Below are your energy balance and cancer manuscripts published in October 2025!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 35 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1: Phelps CM, Willis NB, Duan T, Lee AH, Zhang Y, Rodriguez J DM, Pandey SP, Laughlin CR, Rosen ABI, McPherson AC, Shapira JH, Randhawa SK, Hedden L, Richie TG, Wiechman HM, Bender MJ, Nemet I, Zöhrer PA, Gottschalk RA, **Schmitz KH**, Mullett SJ, Gelhaus SL, Davar D, Zarour HM, Hinterleitner R, Mossington T, Badger JH, Rodrigues RR, McCulloch JA, Lee STM, Wagner KH, Winter MG, Winter SE, Das J, Pierre JF, Trinchieri G, Meisel M. Exercise-induced microbiota metabolite enhances CD8 T cell antitumor immunity promoting immunotherapy efficacy. *Cell*. 2025 Oct 2;188(20):5680-5700.e28. doi: 10.1016/j.cell.2025.06.018. Epub 2025 Jul 9. PMID: 40639377; PMCID: PMC12258965.

2: Pachimatla AG, Fitzgerald B, Ogidigo J, Bhatia M, Smith RJ Jr, Ratnakaram K, Kalvapudi S, Vedire Y, Washington D, Vethanayagam Rr R, Hsiao HH, Rosario S, Sanghvi VR, Barbi J, Yendamuri S. Glucagon-like peptide-1 receptor agonism improves lung cancer outcomes and tumor growth control. *JCI Insight*. 2025 Aug 26;10(19):e195484. doi: 10.1172/jci.insight.195484. PMID: 40857107; PMCID: PMC12513478.

3: Hull SC, **Mszar R**, Ostfeld RJ, **Ferrucci LM**, Mucci LA, Giovannucci E, Loeb S. Diet and Prevention of Cardiovascular Disease and Cancer: JACC: CardioOncology State-of-the-Art Review. *JACC CardioOncol*. 2025 Oct;7(6):649-667. doi: 10.1016/j.jacc.2025.07.008. Epub 2025 Aug 29. PMID: 40879583.

4: Shapiro DD, Mukhida SS, Hahn AW, Isahaku A, Turner SM, Cheng JP, Chauhan PK, Thomas SS, Chan B, Lim ZD, Tannir NM, **Swartz MC**, Msaouel P. Vigorous physical activity as a potential environmental risk factor in renal medullary carcinoma. *Urol Oncol*. 2025 Oct;43(10):597.e15-597.e23. doi: 10.1016/j.urolonc.2025.06.012. Epub 2025 Jul 4. PMID: 40617795; PMCID: PMC12257618.

5: **Smith M**, Lawen T, Garcia RS, Pyo J, Hahn A, Frigo D, Ma H, Wei P, Robert M, Chery L, Chapin BF, Daniel CR, Pettaway C, **Gregg JR**. The intersection of race and adiposity in prostate cancer: a narrative review. *Eur J Cancer Prev*. 2025 Oct 20. doi: 10.1097/CEJ.0000000000000992. Epub ahead of print. PMID: 41117610.

6: An KY, Jeon JY, Arthuso FZ, Wang Q, Friedenreich CM, **Courneya KS**. Postdiagnosis physical activity is associated with improved survival in prostate cancer patients treated with surgery but not with radiation therapy. *Br J Cancer*. 2025 Oct;133(7):1029-1037. doi: 10.1038/s41416-025-03123-0. Epub 2025 Jul 23. PMID: 40702105; PMCID: PMC12480936.

7: **Ligibel JA**, Ballman KV, McCall L, Goodwin PJ, **Alfano CM**, Bernstein V, **Crane TE**, Delahanty LM, Frank E, Hahn O, Hershman DL, Hopkins JO, **Irwin M**, Mayer EL, Minasian L, **Nebeling L**, **Neuhouser ML**, Paskett ED, Spears PA, Stearns V, **Thomson CA**, Weiss A, White J, Wadden TA, Winer EP, Hudis C, Partridge AH, Carey LA. Impact of a Weight Loss Intervention on 1-Year Weight Change in Women With Stage II/III Breast Cancer: Secondary Analysis of the Breast Cancer Weight Loss (BWEL) Trial. *JAMA Oncol*. 2025 Oct 1;11(10):1194-1203. doi: 10.1001/jamaoncol.2025.2738. PMID: 40839373; PMCID: PMC12371550.

8: Papadopoulos E, Irving BA, **Brown JC**, Heymsfield SB, Sattar S, Alibhai SMH, **Williams GR**, **Dunne RF**. Sarcopenia and Cachexia in Older Patients with Cancer: Pathophysiology, Diagnosis, Impact on Outcomes, and Management Strategies. *Drugs Aging*. 2025 Oct 8. doi: 10.1007/s40266-025-01252-y. Epub ahead of print. PMID: 41060616.

9: Olsson LT, **Sanchez A**, Mourtzakis M, Hakimi AA, Russo P, Jaimes EA, Bradshaw PT, Furberg H. Body Composition May Be a Novel Presurgical Risk Factor for Acute Kidney Injury among Clear Cell Renal Cell Cancer Patients Undergoing Radical Nephrectomy. *J Kidney Cancer VHL*. 2025 Oct 17;12(4):19-29. doi: 10.15586/jkc.v12i4.423. PMID: 41132897; PMCID: PMC12542082.

10: Munhoz J, Newell M, Bigras G, Goruk S, Joy AA, Ghosh S, **Courneya KS**, Mazurak V, Douglas CM, Zhu X, Zorniak B, Mackey J, Junco JM, Hiller JP, King K, Basi SK, Field CJ. Safety and efficacy of docosahexaenoic acid supplementation during neoadjuvant breast cancer therapy: Findings from the phase II, double-blind, randomized controlled DHA-WIN trial. *Int J Cancer*. 2025 Oct 1;157(7):1405-1419. doi: 10.1002/ijc.35517. Epub 2025 Jun 9. PMID: 40490846; PMCID: PMC12334910.

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TREC Connects! Volume 7, Issue 6 (October 2025)

Visit us at [TRECTraining.yale.edu](https://trec-training.yale.edu)

Follow us on Linked In! <https://www.linkedin.com/groups/14363880>

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 7, Issue 7. November 2025

Greetings!

Dear TREC Faculty, Fellows and Friends,

Welcome to our November edition of *TREC Connects*!

We are working on a **competitive renewal application** for our TREC R25 – submitting Jan 25 - thanks for all of your support!

Recruitment for our **10th TREC Training Workshop (2026)** is underway – NOI's due Dec 20 (informal email to Diana) – applications due January 20 – please encourage others to apply!

Other great news below – congrats to you all for your amazing work in energy balance and cancer research!

~~ *Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board*

Grants Awarded

Please notify Diana of YOUR new grants to showcase in the next newsletter!

mPI: Tracy Crane, PhD, RDN. 2019 TREC Fellow

Two new grants – both awarded from the Florida Department of Health

Title: Feasibility and impact of an intermittent fasting intervention in women with newly diagnosed endometrial cancer

Title: The Florida Partnership for Adding Social Context to Address Food Security in Cancer Survivorship (ASCENT)

Appointments and Promotions

Since the last TREC Connects Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Tracy Crane, PhD, RN, TREC Fellow 2019 has been awarded the inaugural Brigette Burke Endowed Professor in Women's Cancer Research! WOW – that's fantastic, Tracy, *congratulations!*

Elizabeth Hibler, PhD, TREC Fellow 2017 transitioned from academia to [N-Power Medicine](#) – Liz can be reached at liz.hibler@syapse.com. *Congrats, Liz!*

Tyvette Hilliard, PhD, TREC Fellow 2019 has been promoted to Assistant Professor and relocated to Tuskegee University, Department of Biology. Tyvette's new email address is thilliard@tuskegee.edu. *Congrats, Tyvette!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Call for Manuscripts – Special Journal Issue Diet and Breast Cancer

TREC alum **Dr. Neil Iyengar** is guest editing a special issue of the Nature publishing group's breast cancer journal (*npj Breast Cancer*) which will be focused on metabolism and diet in breast cancer. While original research submissions are favored, the journal will also welcome meta-analyses, narrative reviews, and commentaries.

Here is a link to the call for papers: <https://www.nature.com/collections/gchgchibai>

Below is attached the announcement with more details. Submissions will be accepted up until June 17, 2026.

nature
portfolio

npj Breast Cancer

Call for papers

Metabolism and diet in cancer



@Corazza/iStock/Getty Images Plus

With rising global incidence of cancers driven by metabolic dysfunction, particularly in young people, advancing our collective understanding of the relationships between metabolism, diet, and cancer is critical for the development of more effective prevention and treatment strategies. The interplay between metabolic processes and cancer progression is complex and multifaceted, influencing tumor growth, response to therapy, and overall patient outcomes. By deepening our knowledge in this area, we can uncover novel therapeutic targets and dietary interventions that may improve quality of life, symptom control, and cancer outcomes.

Recent years have seen significant advances in our understanding of how metabolism influences cancer biology. The foundational discovery of the Warburg effect demonstrated that cancer cells leverage altered metabolic pathways to preferentially utilize glycolysis for energy production. More recent findings indicate that cancer cells may shift metabolism to adapt and leverage host energetic states. Furthermore, dietary components, such as polyunsaturated fatty acids and molecules with antioxidant properties, can modulate tumor and patient responses to treatment. These discoveries underscore the potential of integrating dietary strategies into cancer management, paving the way for personalized nutrition approaches that could enhance therapeutic efficacy.

Looking ahead, the future of research in metabolism and diet in cancer holds immense promise. As we continue to unravel the intricate connections between metabolic pathways and cancer, specific biomarkers may emerge that have the potential of predicting treatment response based on an individual's metabolic profile. The rise of precision medicine, coupled with advances in metabolomics and nutritional genomics, could lead to tailored dietary recommendations that optimize therapeutic outcomes. Additionally, exploring the role of the gut microbiome in cancer metabolism may unveil new avenues for intervention, as emerging evidence suggests that gut bacteria can influence tumor growth and treatment responses.

We invite researchers to contribute to this special Collection on Metabolism and Diet in Cancer, where innovative ideas and findings can be shared to advance our collective knowledge. Topics of interest include but are not limited to:

- Role of metabolic pathways in cancer
- Impact of diet on tumor progression
- Nutritional interventions in cancer therapy
- Gut microbiome and cancer metabolism
- Biomarkers for dietary response in cancer
- Personalized nutrition in cancer management
- Metabolomics in cancer research
- Dietary patterns and cancer risk

Guest Editors

Neil Iyengar, M.D., Winship Cancer Institute of Emory University, United States



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Please [click here](#) or scan the QR code to visit our website.
Submission Deadline: **29 July 2026**

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Notify Diana of position announcements to include in the next newsletter!

Other Announcements & Opportunities

Learning opportunity: The CERTaIN Program focused on Comparative Effectiveness Research in Cancer Prevention and Control

TREC alumna **Dr. Scher Mama** invites you to consider the in-person training opportunities noted below. These are free workshops, costs are covered by an NIH grant. Applications are due on a rolling basis. Questions, please reach out to the program email certain@mdanderson.org, or to Dr. Mama skmama@mdanderson.org.

THE UNIVERSITY OF TEXAS
MDAnderson Cancer Center
Making Cancer History®

The CERTaIN program offers 3-day in-person workshops focused on comparative effectiveness research (CER) in cancer and cancer prevention
Funded by a grant from the National Cancer Institute

CER compares the benefits and harms of alternative interventions to provide evidence for improving health care

Up to 15 applicants will be selected for each workshop
Participation and travel costs will be covered by the grant

Applicants must be:

- Junior clinical investigators and trainees
- Affiliated to an academic institution or research organization
- Interested in cancer CER
- a US citizen or permanent resident

FEB 2-4, 2026
SYSTEMATIC REVIEWS AND META-ANALYSIS

A systematic approach to identify, appraise, and combine the available evidence on specific questions using qualitative methods or meta-analysis.
Applications are due by 5pm CST on December 8th, 2025

MARCH 23-25, 2026
OBSERVATIONAL STUDIES AND DATA REGISTRIES

Studies in which researchers collect new information or look at data already collected, without actively intervening.
Applications are due by 5pm CST on January 5th, 2026

APRIL 27-29, 2026
PRAGMATIC CLINICAL TRIALS

Studies designed to evaluate the effectiveness of interventions in real-world settings, as they would be used in the community (unlike efficacy trials, which test interventions under ideal situations).
Applications are due by 5pm CST on February 9th, 2026

CERTaIN

SCAN THE QR CODE TO APPLY
CONTACT: Andrea Malabey and
Dr. Angeles Lopez-Olivo
certain@mdanderson.org
amlopezo@mdanderson.org

NCCOR Update OPUS Workshop Insights – includes information about publicly available resources!

Dr. Nebeling would again like to share updates from Dr. Jill Reedy about NCCOR and the OPUS Workshop Series:

Subject: OPUS Workshop Insights Are Now Available as Learning Guides

Good morning,

Thank you again for sharing your expertise during NCCOR's [OPUS workshop series](#) last year. Contributions helped shape an important conversation on advancing policy, systems, and environmental (PSE) approaches to improve nutrition and physical activity access for children and communities.

To ensure these insights continue to make an impact, we've created the **OPUS Learning Guides**—a collection of resources that distill key lessons and strategies from the workshop keynote presentations into practical tools for professors, students, and early-career researchers. These guides make it easy to integrate OPUS concepts into classrooms, research projects, and applied work.

Access the OPUS Learning Guides on the [NCCOR Student Hub](#).

We'd love your help in getting these resources into the hands of those who will benefit most. Please feel free to share them with your colleagues, networks, and students. Thank you again for your valuable contributions to OPUS and the field.

Sincerely,
NCCOR Coordinating Center

Energy Balance and Cancer Publications from the TREC Community in October 2025

Below are your energy balance and cancer manuscripts published in November 2025!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 30 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1: Ophoff D, Bos D, Van Heek NT, Witteman BJ, De Wilt JHW, Popuri K, Beg MF, **Winkels RM**, Van Duijnhoven FJB, Giovannucci EL, Kampman E, **Kok DE**. Liver fat and clinical outcomes in individuals with stage I-iii Colon or rectal cancer. J Natl Cancer Inst. 2025 Nov 10:djaf324. doi: 10.1093/jnci/djaf324. Epub ahead of print. PMID: 41212533.

2: Klaassen-Dekker N, Witteman BJM, van Heek NT, Kruyt FM, Valgaeren E, Gootjes EC, Rütten H, van 't Veer P, **Winkels RM**, van Duijnhoven FJB, de Wilt JHW, Kampman E, **Kok DE**. Bowel-Related Symptoms and Dietary Fiber Intake in Colorectal Cancer Survivors. JAMA Netw Open. 2025 Nov 3;8(11):e2542147. doi: 10.1001/jamanetworkopen.2025.42147. PMID: 41212563; PMCID: PMC12603865.

3: **Malcomson FC**, Shah MM, **Shah UA**. Food as medicine in gastrointestinal cancer therapy. Nat Rev Gastroenterol Hepatol. 2025 Nov;22(11):736-738. doi: 10.1038/s41575-025-01117-0. PMID: 40968209.

4: Anzules JM, Sayegh M, **Li YR**. Exploiting AR-Synergistic Metabolic Vulnerabilities in Prostate Cancer. Cancer Res. 2025 Nov 3;85(21):4045-4046. doi: 10.1158/0008-5472.CAN-25-3234. PMID: 41178358.

5: **Gonzalo-Encabo P**, Giobbie-Hurder A, Sears DD, Mayer EL, Partridge AH, Poorvu PD, Waks AG, Tanasijevic AM, **Crane TE**, **Dieli-Conwright CM**, **Ligibel JA**. Combined intermittent fasting and exercise intervention in patients with metastatic, hormone receptor-positive breast cancer (FastER): a pilot study. Breast Cancer Res Treat. 2025 Nov;214(2):171-180. doi: 10.1007/s10549-025-07803-6. Epub 2025 Aug 12. PMID: 40794365.

6: Jin N, Hoyd R, Yilmaz AS, Zhu J, Liu Y, Jagjit Singh MS, Grencewicz DJ, Mo X, Kalady MF, Rosenberg DW, Dravillas CE, Singer EA, Carpten JD, Chan CHF, Churchman ML, Denko N, Di Clemente F, Dodd RD, Eljilany I, Fei N, **Hardikar S**, Ikeguchi AP, Ma A, Ma Q, McCarter MD, Osman AEG, Riedlinger G, Robinson LA, Schneider BP, Tarhini AA, Tinoco G, Figueiredo JC, Zakharia Y, Ulrich CM, Tan AC, Spakowicz D. Epigenetic Modulation, Intratumoral Microbiome, and Immunity in Early-Onset Colorectal Cancer. Cancer Res Commun. 2025 Nov 1;5(11):1985-1997. doi: 10.1158/2767-9764.CRC-25-0177. PMID: 41134679; PMCID: PMC12606411.

7: Valencia-Rincón E, Rai R, Chandra V, **Wellberg EA**. GLP-1 receptor agonists and cancer: current clinical evidence and translational opportunities for preclinical research. J Clin Invest. 2025 Nov 3;135(21):e194743. doi: 10.1172/JCI194743. PMID: 41178720; PMCID: PMC12578377.

8: Sauls R, Rozen E, Doerr V, **Brown NI**, Buro AW, Riccardi D, Mallory M, Laronga C, Hoover S, Pabbathi S, Carson TL. Weight loss following nutritional education

session among newly diagnosed breast cancer patients. *Support Care Cancer*. 2025 Nov 13;33(12):1060. doi: 10.1007/s00520-025-10142-3. PMID: 41231347.

9: **Ivory BJ**, Moore K, Dinalo JE, **Kadan-Lottick NS**, **Dieli-Conwright CM**, Orgel E, Ness KK, Freyer DR, Belcher BR. Sedentary behavior in children, adolescents, and young adults treated for cancer: A scoping review of health outcomes and interventions. *J Cancer Surviv*. 2025 Nov 11. doi: 10.1007/s11764-025-01908-z. Epub ahead of print. PMID: 41217621.

10: Neil-Sztramko SE, Bland KA, Alibhai SMH, Capozzi LC, Chalmers A, Copp J, Dinardo R, Gimenez DM, Dufresne SS, Lambert LK, Langelier DM, Lane KN, Mackenzie K, McDonald K, McNeely ML, **Nadler MB**, Papadakos J, Prestley N, Simmons C, Ashbury FD, Hart NH, **Campbell KL**. The Bone Metastases and Exercise (BME) Hub: a MASCC-endorsed knowledge mobilization initiative to advance exercise recommendations for people with bone metastases. *Support Care Cancer*. 2025 Nov 17;33(12):1073. doi: 10.1007/s00520-025-10123-6. PMID: 41247587.

11: Weinreb JT, Abdel-Wahab O, **Shah UA**. The Link between Modifiable Risk Factors and Myeloid Disorders-From Plate to Pathogenesis. *Blood Cancer Discov*. 2025 Nov 12;OF1-OF10. doi: 10.1158/2643-3230.BCD-25-0056. Epub ahead of print. PMID: 41222150.

12: Eigl BJ, Elangovan A, Ghosh S, Kim JO, Thoms J, Bouchard M, Peacock M, Fleshner N, Campbell H, Vigneault E, Vincent F, So A, Cury F, Quon H, Carlson R, Lambert C, Klotz L, Chi K, Brundage M, Pollak M, Rebane L, Chiu L, **Courneya KS**, Usmani N. A Randomized Phase 3 Trial of Metformin in Patients Initiating Androgen Deprivation Therapy as Prevention and Intervention of Metabolic Syndrome: The PRIME Study. *J Urol*. 2025 Nov;214(5):496-508. doi: 10.1097/JU.0000000000004695. Epub 2025 Jul 25. PMID: 40711960.

13: **Smith GVVH**, Myers SA, Fujita RA, Yu C, **Campbell KL**. Virtually Supervised Exercise Programs for People With Cancer: A Scoping Review. *Cancer Nurs*. 2025 Nov-Dec 01;48(6):E397-E407. doi: 10.1097/NCC.0000000000001353. Epub 2024 Apr 10. PMID: 38598778.

14: Hyde ET, Evenson KR, Howard AG, **Parada H Jr**, Di C, LaMonte MJ, Bellettiere J, Cuthbertson CC, Lee IM, LaCroix AZ. Sitting time and risk of cancer incidence and cancer mortality in postmenopausal women: the Women's Health Accelerometry Collaboration. *Cancer Causes Control*. 2025 Nov;36(11):1417-1430. doi: 10.1007/s10552-025-02024-0. Epub 2025 Jul 2. PMID: 40601110; PMCID: PMC12578691.

15: Sprengers R, Monninkhof EM, Eijkelkamp N, van der Wall E, Siesling S, May AM, **Hiensch AE**. Systematic review and meta-analysis on the effect of physical exercise on self-reported pain in patients with metastatic cancer. *J Cancer Surviv*. 2025 Nov 14. doi: 10.1007/s11764-025-01936-9. Epub ahead of print. PMID: 41236596.

16: Berg CJ, McCready DM, Hinds PS, Lyon ME, Dennis K, Howlader A, Bhanot P, Shajan S, Chalasani P, Chitalia A, **Arem H**. Outcomes of a Randomized Controlled Trial Testing the Feasibility, Acceptability and Preliminary Efficacy of a Digital, Coach-Assisted Intervention to Enhance Hope and Quality of Life Among Young Adult Cancer Survivors. *Psychooncology*. 2025 Nov;34(11):e70315. doi: 10.1002/pon.70315. PMID: 41170949.

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TREC Connects! Volume 7, Issue 7 (November 2025)

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Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:

TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 8, Issue 1. January 2026

Greetings!

Dear TREC Faculty, Fellows and Friends,

Welcome to a new edition of *TREC Connects*!

The **competitive renewal application** for our TREC R25 – submitting Jan 25 – is nearly ready - thanks for all of your support! See section below titled **TREC 3.0** for a summary of key highlights.

TREC Working Groups – see update below.

We are **overhauling our TREC Website**, including the members' page. We welcome any ideas you have about the website – if so please notify Diana by February 15.

Recruitment for our **10th TREC Training Workshop (2026)** is underway –applications due January 20 – 96 Notifications of Intent to apply were received. Of these, 18 are basic scientists, 21 are clinician-researchers, 83 are population scientists. 9 NOIs from international institutions, and 11 NOIs from institutions that (if accepted) would be new to TREC. Applications are undergoing review now, and applicants will be notified by April 1.

Other great news below – congrats to you all for your amazing work in energy balance and cancer research!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

TREC 3.0 (Competitive Renewal)

The competitive renewal going in on January 25 builds on past successes and incorporates program enhancements suggested by TREC Fellow Alumni. Over the past nine years, the TREC Training Program has accepted 227 Fellows through a competitive process. Another ~25 will be accepted this year. While satisfaction with the TREC Program has been rated highly by Fellows, self-reported knowledge gained from the Program is statistically significant, and products such as publications, grant funding, and collaborative opportunities have occurred, there is always room for improvement!

Tables 8a and 8B below, from the competitive renewal grant application, summarize Fellows' reported strengths of the Program, suggestions for improvement, and adaptations we are proposing to make in TREC 3.0.

Table 8A. Fellows' Feedback as to Strengths of the TREC Program and Proposed Program Offerings

Strengths of the Program	Additional Proposed Program Offerings
Transdisciplinary approach	Continue to recruit Fellows from basic, clinical and population science disciplines; continue to offer sessions that include TREC Faculty and Fellow Alumni from different disciplines; New: pair Fellows from different disciplines to have "speed networking" and "speed mentoring" sessions.
Translational approach	Continue to offer sessions across the cancer control continuum, and inclusion of patient advocates. New: sessions on early onset cancers; weight loss medications in patients with cancer; data science and implementation science

Comprehensive coverage of energy balance and cancer	Continue to focus on energy balance and cancer and what is known and what is not known; New: interactive workshop discussion sessions
Networking and collaboration	Continue to offer quarterly TREC Fellow Alumni presenting their research via virtual webinars; continue to offer TREC working groups; New: assign seating at the TREC workshop lunch and dinner tables to facilitate networking; support a new collaborative project each year, e.g., a shared data repository
Mentoring/Peer mentoring	Continue to have TREC Faculty and Fellow Alumni include career advice, tips for success and overcoming challenges weaved into their presentations; New: offer small group sessions of 5 Fellows (“Learning Communities”) to provide advice and support to each other that will continue throughout the year
Grant Support	Continue to invite NCI, ACS, PCORI staff to share grant information; continue Fellow’s presenting their proposal and sharing specific aims page with mentor for feedback; New: After each Fellows’ grant presentation, have Fellows and Faculty write suggestions for improving their grant and presentation; establish a peer review of grants; create a grants repository for Fellows to review funded grants
Fellows’ Goals	Continue takeaways and action items shared with the other Fellows and mentors; New: Have Fellows present goals and action items in advance of workshop via a virtual session

Table 8B. Fellows’ Suggestions for Program Improvement and Proposed Adaptations

Suggestions for Program Improvement	New Proposed Program Adaptations
More networking sessions prior to the workshop	Have a pre-workshop virtual session with new Fellows introducing themselves, and sharing their research mission and vision and their areas of expertise and what they want to learn
More Interactive training sessions	Have less lectures and more panel discussions; include interactive end of the day sessions
Include more on training grants (e.g., K99s) in addition to R01s	Provide examples of TREC Fellows’ funded K99s and sharing of their experience in developing the application and conducting the training grant; provide more sessions on conducting methodologically strong pilot studies
More training on emerging or current issues in energy balance and cancer	Offer workshop sessions and webinars on weight loss medications; artificial intelligence for recruitment and data collection; remote data collection for biomarkers; more advanced statistical approaches; sessions on rare tumors
More formal break-out sessions	Offer break-out sessions each day on given topic and groups reporting back
Include research lab management	Offer workshop sessions and webinars on building a research lab and leadership training

In summary, program materials will continue to be publicly disseminated annually to extend the reach of TREC beyond workshop participants. Ultimately, the impact of the TREC Training Program will be measured by the extent to which TREC Fellows generate innovative research that advances cancer prevention, treatment, survivorship, and population health.

TREC Working Groups

Based on a TREC survey of working group interests, last year we created 21 working groups (see list below). We hope this initiative will facilitate collaborations in energy balance and cancer research.

For each WG, our expectation is that one or two TREC colleagues in the group volunteer to take the lead in facilitating conversations of collaborative opportunities.

Several WGs have done this already and are off and running and already planning impactful collaborations.

For any group that has yet to kick-off, please let Melinda and Diana know how we can facilitate collaborations and communications. Melinda is a member of all 21 Working Groups, so she has a pulse on activities and is eager to help.

If you would like to be included in a particular WG (or removed from one), please let Diana know. The TREC WGs are:

TREC Working Groups N = 21

Basic Science	GI cancer	Aging and Geriatric cancer
Clinical Science	GU cancer	Biomarkers
Population and Behavioral Science	Gynecologic cancer	Disparities
Body Composition	Lung cancer	Implementation science
Exercise and Sedentary Behavior	Blood cancer	Data Science/AI/Modeling
Nutrition	Bone cancer	Immuno-oncology
Breast cancer	Pediatric and AYA cancer	Cardio-oncology

Grants Awarded

PI: Xiaochen Zhang, PhD. 2023 TREC Fellow

Title: A Just-in-Time Adaptive Lifestyle Program for Rural Breast and Endometrial Cancer Survivors.

Mechanism: 2025 Victoria's Secret Global Fund for Women's Cancers Career Development Award in partnership with Pelotonia and AACR

Please notify Diana of YOUR new grants to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Paige Arneson-Wissink, PhD, TREC Fellow 2023 has been promoted to Assistant Professor and will be transitioning to Rosalind Franklin University in the Center for Genetic Disease this March. Paige's new email address is up and running now so please feel free to reach out to her at Paige.arnesonwissink@rosalindfranklin.edu. *Fantastic news, Paige, congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

In case you missed it: Call for Manuscripts – Special Journal Issue Diet and Breast Cancer

TREC alum **Dr. Neil Iyengar** is guest editing a special issue of the Nature publishing group's breast cancer journal (*npj Breast Cancer*) which will be focused on metabolism and diet in breast cancer. While original research submissions are favored, the journal will also welcome meta-analyses, narrative reviews, and commentaries.

Here is a link to the call for papers: <https://www.nature.com/collections/gchgchibai>

Below is attached the announcement with more details. Submissions will be accepted up until June 17, 2026.

Call for papers

Metabolism and diet in cancer



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With rising global incidence of cancers driven by metabolic dysfunction, particularly in young people, advancing our collective understanding of the relationships between metabolism, diet, and cancer is critical for the development of more effective prevention and treatment strategies. The interplay between metabolic processes and cancer progression is complex and multifaceted, influencing tumor growth, response to therapy, and overall patient outcomes. By deepening our knowledge in this area, we can uncover novel therapeutic targets and dietary interventions that may improve quality of life, symptom control, and cancer outcomes.

Recent years have seen significant advances in our understanding of how metabolism influences cancer biology. The foundational discovery of the Warburg effect demonstrated that cancer cells leverage altered metabolic pathways to preferentially utilize glycolysis for energy production. More recent findings indicate that cancer cells may shift metabolism to adapt and leverage host energetic states. Furthermore, dietary components, such as polyunsaturated fatty acids and molecules with antioxidant properties, can modulate tumor and patient responses to treatment. These discoveries underscore the potential of integrating dietary strategies into cancer management, paving the way for personalized nutrition approaches that could enhance therapeutic efficacy.

Looking ahead, the future of research in metabolism and diet in cancer holds immense promise. As we continue to unravel the intricate connections between metabolic pathways and cancer, specific biomarkers may emerge that have the potential of predicting treatment response based on an individual's metabolic profile. The rise of precision medicine, coupled with advances in metabolomics and nutritional genomics, could lead to tailored dietary recommendations that optimize therapeutic outcomes. Additionally, exploring the role of the gut microbiome in cancer metabolism may unveil new avenues for intervention, as emerging evidence suggests that gut bacteria can influence tumor growth and treatment responses.

We invite researchers to contribute to this special Collection on Metabolism and Diet in Cancer, where innovative ideas and findings can be shared to advance our collective knowledge. Topics of interest include but are not limited to:

- Role of metabolic pathways in cancer
- Impact of diet on tumor progression
- Nutritional interventions in cancer therapy
- Gut microbiome and cancer metabolism
- Biomarkers for dietary response in cancer
- Personalized nutrition in cancer management
- Metabolomics in cancer research
- Dietary patterns and cancer risk

Guest Editors

Neil Iyengar, M.D., Winship Cancer Institute of Emory University, United States



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Submission Deadline: **29 July 2026**

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Assistant Professor, Wake Forest University Department of Cancer Biology. Winston-Salem, North Carolina.

TREC alumna **Dr. Katherine Cook** would like you to know about this opportunity. Open until filled.

<https://academiccareers.com/job/160736/academic-faculty-cancer-biology-department-of-cancer-biology/>

Open Rank Faculty (Part of cluster hire-Environmental Health), Arnold School of Public Health, University of South Carolina

TREC SAB member **Dr. Linda Nebeling** forwards this item of interest. The Department of Health Promotion, Education, and Behavior (HPEB) at the University of South Carolina (USC) Arnold School of Public Health invites applications for a tenure-track faculty position at the rank of Assistant Professor, Associate Professor, or Full Professor. This position is part of the campus-wide **Environmental Health Cluster Initiative**, a strategic effort to expand the University's leadership in advancing research, clinical care, and educational excellence in environmental health. The cluster will broaden expertise across disciplines to foster innovation and address the complexity of environmental health challenges through multidisciplinary scholarship. This initiative focuses on the impact of chemical, physical, behavioral, biological, and social environmental stressors across the lifespan, and emphasizes designing, testing, and scaling programmatic and policy interventions that address these stressors. They seek an **Implementation**

Science Scholar whose research focuses on learning how to improve the implementation of interventions that will reduce environmental stressors on health in real-world settings. To learn more about the position and to apply, please visit:

<https://uscjobs.sc.edu/postings/196669>

Assistant or Associate Professor, Kansas Center for Implementation Science, University of Kansas Medical Center

TREC SAB member **Dr. Kathryn Schmitz** would like to raise your awareness to this opportunity at UKMC. Position highlights include: leverage research project funding opportunities through the Kansas Center for Implementation Science as well as KU Cancer Center; advance the impact of implementation science at the local, state, and national level; help lead efforts to develop key resources to support emerging investigators in clinical and behavioral science. For additional information and to apply:

<https://kumc.wd5.myworkdayjobs.com/en-US/kumc-jobs/?q=population%20health>

Notify Diana of position announcements to include in the next newsletter!

Energy Balance and Cancer Publications from the TREC Community in December 2025

Below are your energy balance and cancer manuscripts published in December 2025!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 50 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1: Papadopoulos E, Irving BA, Brown JC, Heymsfield SB, Sattar S, Alibhai SMH, **Williams GR, Dunne RF**. Sarcopenia and Cachexia in Older Patients with Cancer: Pathophysiology, Diagnosis, Impact on Outcomes, and Management Strategies. *Drugs Aging*. 2025 Dec;42(12):1113-1142. doi: 10.1007/s40266-025-01252-y. Epub 2025 Oct 8. PMID: 41060616; PMCID: PMC12660466.

2: **Shah UA**, Cogrossi LL, Garces JJ, Policastro A, Castro F, Derkach A, Fei T, DeWolf S, Grioni M, Sisti S, Blaslov J, Adintori PA, Hosszu KK, McAvoy D, Baichoo M, Cross JR, Paredes J, Anuraj A, Raj SS, Pohl C, Zordan P, Zinsmeyer V, Jesus Faustino Ramos RJ, Lorenzoni M, Gipson B, Maclachlan KH, Gradissimo A, Boiocchi L, Aleynick N, Marchigiani C, Pagani S, Salehi E, Koche RP, Chaligne R, Block T, Korde N, Tan CR, Hultcrantz M, Hassoun H, Shah GL, Scordo M, Lahoud OB, Chung DJ, Landau HJ, Peled JU, Clementi N, Chesi M, Bergsagel PL, Mailankody S, Pollak MN, D'Souza A, Landgren O, Chimonas S, Giralt SA, Usmani SZ, **Iyengar NM**, Lesokhin AM, van den Brink MRM, Bellone M. A High-Fiber Plant-Based Diet in Myeloma Precursor Disorders - Results from the NUTRIVENTION Clinical Trial and Preclinical Vk*MYC Model. *Cancer Discov*. 2025 Dec 4. doi: 10.1158/2159-8290.CD-25-1101. Epub ahead of print. PMID: 41342739.

3: **Courneya KS**. Exercise as a cancer treatment: New evidence from preclinical and early phase clinical studies. *J Sport Health Sci*. 2025 Dec;14:101066. doi: 10.1016/j.jshs.2025.101066. Epub 2025 Jun 11. PMID: 40513716; PMCID: PMC12270073.

4: Ilozumba MN, Gomez MF, Lin T, **Himbert C**, Round JL, Zac Stephens W, Warby CA, **Hardikar S**, Li CI, Figueiredo JC, Damerell V, Fillmore GC, Pickron B, Toriola AT, Shibata D, Holowatyj AN, Kahlert C, Sankar K, Siegel EM, Jedrzkiewicz J,

Gigic B, Byrd DA, Ose J, Ulrich CM. Pre-surgery gut microbial diversity and abundance are associated with post-surgery onset of cachexia in colorectal cancer patients: the ColoCare Study. *Cancer Causes Control*. 2025 Dec;36(12):1795-1812. doi: 10.1007/s10552-025-02042-y. Epub 2025 Sep 4. PMID: 40906320; PMCID: PMC12478455.

5: **Koutoukidis DA**, Jebb SA, Reynolds S, Hill TM, Foster C, Horne A, Wheatstone P, Wright MM, Dissanayake H, Snowball J, Challand C, Fearnhead N, Dennis R, Thompson B, Wilkin R, Tou S, Hassan S, Foster J, Penna M, Achana F, Taylor A, Buczacki SJA. Preoperative Weight Loss in Patients With Excess Weight and Colorectal Cancer: The CARE Feasibility Randomized Clinical Trial. *JAMA Netw Open*. 2025 Dec 1;8(12):e2547126. doi: 10.1001/jamanetworkopen.2025.47126. PMID: 41359334; PMCID: PMC12687096.

6: Rayner CJ, **Bartlett DB**, Allen SK, Wooldridge T, Seymour T, Sunshine S, Hunt J, King D, Bagwan I, Sultan J, Preston SR, Frampton AE, Annels NE, Abbassi-Ghadi N. Prehabilitation during neoadjuvant chemotherapy results in an enhanced immune response in esophageal adenocarcinoma tumors: A randomized controlled trial. *J Sport Health Sci*. 2025 Dec;14:101063. doi: 10.1016/j.jshs.2025.101063. Epub 2025 Jun 9. PMID: 40499717; PMCID: PMC12451371.

7: **Compton SLE**, Wopat H, **Lopez-Pentecost M**, **Agurs-Collins T**, **Brown JC**, **Caan B**, **Demark-Wahnefried W**, Elena JW, **Ferrucci LM**, McGowan C, **Puklin LS**, **Schmitz KH**, **Thomson CA**, Robien K, **Crane TE**; ENICTO Consortium. Addressing conceptual and design gaps in the oncology nutrition evidence base during chemotherapy: contributions of the Exercise and Nutrition Interventions to Improve Cancer Treatment-Related Outcomes Consortium. *J Natl Cancer Inst*. 2025 Dec 1;117(12):2441-2451. doi: 10.1093/jnci/djaf143. PMID: 40680173; PMCID: PMC12682377.

8: Brouwer CG, Hartman YAW, Stelten S, Kenkhuis MF, van Lonkhuijzen LRCW, Kenter GG, Kos M, van de Ven PM, van Driel WJ, **Winkels RM**, Bekkers RLM, Ottevanger PB, Hoedjes M, Buffart LM. Effects of a combined exercise and dietary intervention on clinical outcomes in patients with ovarian cancer: the Physical Activity and Dietary intervention in OVarian cancer (PADOVA) randomized controlled trial. *Int J Gynecol Cancer*. 2025 Dec;35(12):101856. doi: 10.1136/ijgc-2024-005634. Epub 2025 Apr 21. PMID: 39244208.

9: **Schenk JM**, Gulati R, Beatty SJ, Plymate S, Lin DW, Dash A, Porter MP, VanDoren M, Wright JL, **Neuhouser ML**. Reduced adipose tissue with limited loss of lean mass after weight loss: results from the Prostate Cancer Active Lifestyle Study. *J Natl Cancer Inst*. 2025 Dec 1;117(12):2682-2686. doi: 10.1093/jnci/djaf113. PMID: 40347455; PMCID: PMC12682368.

10: Klaassen-Dekker N, Zoetendal EG, Capuano E, **Winkels RM**, van Duijnhoven FJ, van Heek NT, Kruyt FM, Ulvik A, McCann A, Ueland PM, de Wilt JH, Kampman E, **Kok DE**. Preoperative plasma short- and branched-chain fatty acids in relation to risk of complications after colorectal cancer surgery: a prospective cohort study. *Am J Clin Nutr*. 2025 Dec;122(6):1579-1590. doi: 10.1016/j.ajcnut.2025.10.001. Epub 2025 Oct 10. PMID: 41076267.

11: Andrade DC, Parrish L, Harriss C, **Peterson LL**, Duncan RP, Luo J, Kepper MM, Marx C, Politi MC, **Salerno EA**. A qualitative exploration of patient and

clinician needs and preferences for a physical activity intervention during breast cancer chemotherapy. BMC Cancer. 2025 Dec 12. doi: 10.1186/s12885-025-15342-y. Epub ahead of print. PMID: 41387804.

12: Xiao S, Freeman A, Kalmanek E, Steckly K, Belding-Schmitt M, Chan CHF, **Talbert EE**. Skeletal muscle mass associates with pancreaticoduodenectomy operative time in a sex-dependent manner. BMC Cancer. 2025 Dec 29;25(1):1889. doi: 10.1186/s12885-025-15055-2. PMID: 41466196; PMCID: PMC12752138.

13: Glennly EM, Lin T, Bandera VM, Mirminachi B, Khumukcham SS, Gigic B, Warby CA, Aksonova O, **Coleman MF**, Carpanese A, Busch C, **Himbert C**, Ose J, Nix DA, Boucher K, Schirmacher P, Strehli I, **Hardikar S**, Cohan JN, Jedrzkiewicz J, Brobeil A, Schneider MA, Kahlert C, Siegel EM, Byrd DA, Toriola AT, Shibata D, Li Cl, Figueiredo JC, Tan AC, Roper J, Ulrich CM, **Hursting SD**. Obesity promotes conserved inflammatory and metabolic transcriptional programs in colon tumors: evidence from mouse models and the ColoCare Study Patient Cohort. Am J Clin Nutr. 2025 Dec;122(6):1545-1556. doi: 10.1016/j.ajcnut.2025.09.031. Epub 2025 Sep 24. PMID: 40998019.

14: Pagano AP, Mota JF, **Purcell SA**, Sousa IM, Cai H, Skipworth RJ, Preston T, Singer P, Sawyer MB, Elango R, Walter PJ, Prado CM. New insights into total and resting energy expenditure using state-of-the-art methods in cancer survivors: a cross-sectional study. Am J Clin Nutr. 2025 Dec;122(6):1557-1568. doi: 10.1016/j.ajcnut.2025.09.032. Epub 2025 Sep 25. PMID: 41015194.

15: **Pope ZC**, Yabluchanskiy A, Mukli P, **Robertson MC**, Oliver JA, Borengasser SJ, Ratke MM, Matney JE, Mixon C, Henson C, Kellawan JM. Smartphone-Based Physical Activity Program to Reduce "Chemo-Brain" Symptoms and Improve Health in Cancer Survivors With and Without Type 2 Diabetes: Protocol for a Single-Arm Pre-Post Pilot Trial. JMIR Res Protoc. 2025 Dec 10;14:e79739. doi: 10.2196/79739. PMID: 41370824; PMCID: PMC12739459.

16: **Mattick LJ**, Li CS, Lin PJ, Peppone LJ, Magnuson A, Melnik M, Gross H, Onitilo AA, **Kleckner AS**, Mustian KM, Janelins MC. Walking dose associated with lower cancer-related fatigue among patients with breast cancer. J Natl Cancer Inst. 2025 Dec 13:djaf360. doi: 10.1093/jnci/djaf360. Epub ahead of print. PMID: 41411628.

17: Ortega Quesada BA, Khan AH, Zhou SP, Moe M, Chen J, **Martin EC**, Pojman JA, **Melvin AT**. A Droplet Microfluidic Approach to Investigate How Fibroblasts Alter Collagen I Spatial Distribution and Endocrine Response in ER+ Breast Cancer. ACS Biomater Sci Eng. 2025 Dec 8;11(12):7523-7535. doi: 10.1021/acsbiomaterials.5c01025. Epub 2025 Oct 31. PMID: 41171199.

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TREC Connects! Volume 8, Issue 1 (January 2026)

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Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:

TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 8, Issue 2. March 2026

Greetings!

Dear TREC Faculty, Fellows and Friends,

Welcome to a new edition of *TREC Connects*!

The **competitive renewal application** for our TREC R25 was submitted in January – a summary of key enhancements for TREC 3.0 was reported in the January edition of the Newsletter.

TREC Publications/Network Analysis – in preparation for the competitive renewal we completed a network analysis of TREC Fellows' publications. We provide below a summary of this analysis. We are preparing a manuscript of this information and will acknowledge TREC Fellows in this manuscript. We will notify you with updates and feedback as we develop the paper.

Applications for our **10th TREC Training Workshop (June 2026)** are currently under review by the Senior Advisory Board. Applicants will be notified by early April.

Other great news below – congrats to you all for your amazing work in energy balance and cancer research!

~~ *Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board*

TREC Network Analysis of TREC Publications

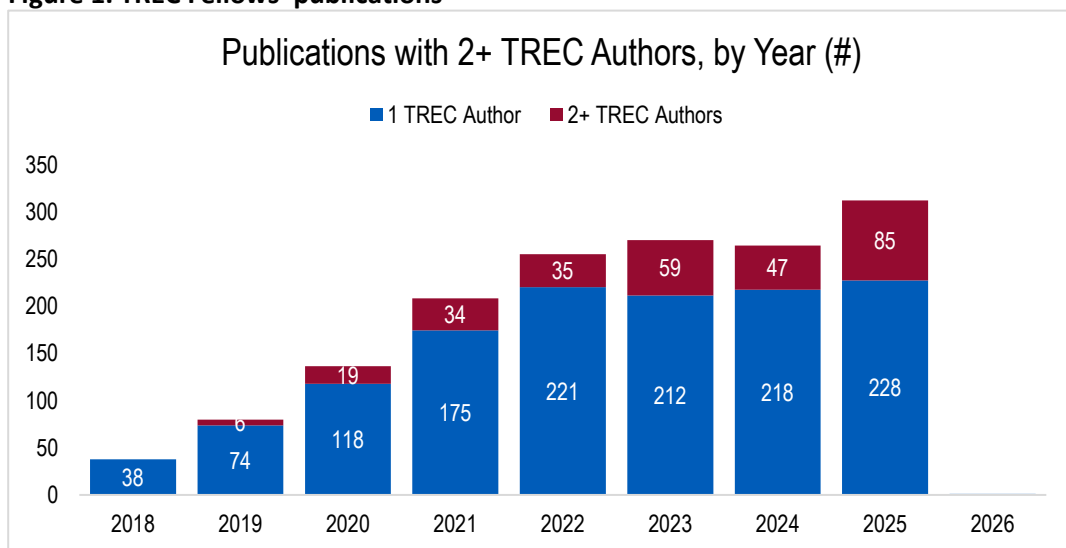
In preparation for the TREC Competitive Renewal, in collaboration with NCI colleagues, we completed a network analysis of the TREC Fellows publications. We limited the analysis to the first eight TREC cohorts (2017-2024, n = 201) as the 2025 TREC cohort of Fellows' publications were likely not attributed to the TREC program. To identify cancer and energy balance-related publications associated with each Fellow, the below search string was used in PubMed in December 2025. Variations of each Fellow's name (i.e., first and last name; first name, middle initial, and last name) were included in the search, and author affiliations were reviewed to ensure that results were authored by TREC Fellows. Only articles published in the year(s) after the TREC fellowship were included (e.g., articles published in 2018 or beyond were included for individuals who completed their fellowship in 2017; articles published in 2025 or beyond were included for individuals who completed their fellowship in 2024). Preprints, corrections, and publications not relevant to energy balance and cancer were excluded.

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((NAME[Author]) AND ("YEAR/01/01"[Date - Publication] : "3000"[Date - Publication])) AND (cancer[Title/Abstract] OR carcinoma[Title/Abstract] OR oncology[Title/Abstract] OR neoplasm[Title/Abstract] OR metastases[Title/Abstract] OR leukemia[Title/Abstract] OR "DNA methylation"[Title/Abstract]) AND ("energy balance"[Title/Abstract] OR nutrition[Title/Abstract] OR diet[Title/Abstract] OR "dietary pattern"[Title/Abstract] OR "dietary patterns"[Title/Abstract] OR fasting[Title/Abstract] OR metabolism[Title/Abstract] OR exercise[Title/Abstract] OR "physical activity"[Title/Abstract] OR sedentary[Title/Abstract] OR obesity[Title/Abstract] OR weight[Title/Abstract] OR "weight loss"[Title/Abstract] OR "body composition"[Title/Abstract] OR muscle[Title/Abstract] OR fat[Title/Abstract] OR adiposity[Title/Abstract] OR sarcopenia[Title/Abstract] OR "GLP-1 receptor agonist"[Title/Abstract] OR "GLP-1 receptor agonists"[Title/Abstract] OR "incretin mimetic"[Title/Abstract] OR "incretin mimetics"[Title/Abstract] OR lifestyle[Title/Abstract] OR vegetable[Title/Abstract] OR fruit[Title/Abstract] OR fatty[Title/Abstract] OR "caloric restriction"[Title/Abstract] OR metabolomic[Title/Abstract] OR fatigue[Title/Abstract])
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Publication information (e.g., PubMed IDs, titles, abstracts, authors and affiliations, MeSH keywords, PubMed keywords) was extracted and authors of each article were coded as TREC authors if the article was published in the year(s) after the individual completed their TREC fellowship. Results from the network analysis are listed below and in Figure 1.

- **1,570** energy balance and cancer peer-reviewed publications authored by TREC Fellows from 2018 through 2025
- **446** publications with TREC Fellows as first author
- **410** publications with TREC Fellows as last author
- **285** publications with 2+ TREC Fellows as co-authors
- Average number of publications per TREC Fellow = 10

Figure 1. TREC Fellows' publications



Below, we highlight some TREC manuscripts from the Network Analysis that included 2+ TREC Fellows as co-authors and a TREC Fellow as first author. Names in black bold are TREC Fellows and names in blue bold are TREC Faculty.

Iyengar NM, Arthur R, Manson JE, **Chlebowski RT**, Kroenke CH, **Peterson L**, **Cheng TD**, **Feliciano EC**, Lane D, Luo J, Nassir R, **Pan K**, Wassertheil-Smoller S, Kamensky V, Rohan TE, Dannenberg AJ. Association of Body Fat and Risk of Breast Cancer in Postmenopausal Women With Normal Body Mass Index: A Secondary Analysis of a Randomized Clinical Trial and Observational Study. *JAMA Oncol.* 2019;5(2):155-163. PMID: 30520976; PMCID: PMC6439554. **Total Citations = 151**

Arem H, **Mama SK**, Duan X, Rowland JH, Bellizzi KM, **Ehlers DK**. Prevalence of Healthy Behaviors among Cancer Survivors in the United States: How Far Have We Come? *Cancer Epidemiol Biomarkers Prev.* 2020;29(6):1179-1187. PMID: 32409489; PMCID: PMC7778877. **Total Citations = 69**

Brown JC, **Caan BJ**, Prado CM, **Cespedes Feliciano EM**, Xiao J, Kroenke CH, Meyerhardt JA. The Association of Abdominal Adiposity With Mortality in Patients With Stage I-III Colorectal Cancer. *J Natl Cancer Inst.* 2020;112(4):377-383. PMID: 31355882; PMCID: PMC7156926. **Total Citations = 45**

Shah UA, **Iyengar NM**. Plant-Based and Ketogenic Diets As Diverging Paths to Address Cancer: A Review. *JAMA Oncol.* 2022;8(8):1201-1208. PMID: 35797039; PMCID: PMC10184023. **Total Citations = 40**

Wellberg EA, Corleto KA, Checkley LA, Jindal S, Johnson G, Higgins JA, Obeid S, Anderson SM, Thor AD, Schedin PJ, MacLean PS, **Giles ED**. Preventing ovariectomy-induced weight gain decreases tumor burden in rodent models of obesity and postmenopausal breast cancer. *Breast Cancer Res.* 2022;24(1):42. PMID: 35725493; PMCID: PMC9208221. **Total Citations = 13**

Giles ED, **Cook KL**, Jenschke RM, Corleto KA, Landrock D, Mahmood TN, Sanchez KE, Levin A, **Hursting SD**, Kimler BF, Komm BS, Fabian CJ. Metabolic and transcriptional effects of bazedoxifene/conjugated estrogens in a model of obesity-associated breast cancer risk. *JCI Insight.* 2025;10(8):e182694. PMID: 40048260; PMCID: PMC12016928.

Grants Awarded

PI: Jenni Sheng, MD. 2020 TREC Fellow

Title: Clinician Scientist Development Grant

Mechanism: American Cancer Society

Please notify Diana of YOUR new grants to showcase in the next newsletter!

Appointments and Promotions and other Acolades

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Curtis J. Henry, PhD, TREC Fellow 2019 is a 2026 award recipient for outstanding research and career achievement from the American Association of Immunologists (AAI) and will be recognized at their meeting in Boston in April. *That's awesome, Curtis!*

Paige Arneson-Wissink, PhD, TREC Fellow 2023 has been promoted to Assistant Professor and will be transitioning to Rosalind Franklin University in the Center for Genetic Disease this March. Paige's new email address is up and running now so please feel free to reach out to her at Paige.arnesonwissink@rosalindfranklin.edu. *Fantastic news, Paige, congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Special Collection in *Cancer Control*

Exercise in Oncology: Translational Evidence for Exercise Across the Cancer Continuum. TREC Fellow **Dr. Justin Brown** is guest editing this special collection. **Submission deadline is October 5, 2026** <https://journals.sagepub.com/topic/collections-ccx/002117/ccxa>.

Special Journal Issue Diet and Breast Cancer

TREC alum **Dr. Neil Iyengar** is guest editing a special issue of the Nature publishing group's breast cancer journal (*npj Breast Cancer*) which will be focused on metabolism and diet in breast cancer. While original research submissions are favored, the journal will also welcome meta-analyses, narrative reviews, and commentaries.

Here is a link to the call for papers: <https://www.nature.com/collections/gchgchibai>.

Below is attached the announcement with more details. Submissions will be accepted up until June 17, 2026.

Call for papers

Metabolism and diet in cancer



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With rising global incidence of cancers driven by metabolic dysfunction, particularly in young people, advancing our collective understanding of the relationships between metabolism, diet, and cancer is critical for the development of more effective prevention and treatment strategies. The interplay between metabolic processes and cancer progression is complex and multifaceted, influencing tumor growth, response to therapy, and overall patient outcomes. By deepening our knowledge in this area, we can uncover novel therapeutic targets and dietary interventions that may improve quality of life, symptom control, and cancer outcomes.

Recent years have seen significant advances in our understanding of how metabolism influences cancer biology. The foundational discovery of the Warburg effect demonstrated that cancer cells leverage altered metabolic pathways to preferentially utilize glycolysis for energy production. More recent findings indicate that cancer cells may shift metabolism to adapt and leverage host energetic states. Furthermore, dietary components, such as polyunsaturated fatty acids and molecules with antioxidant properties, can modulate tumor and patient responses to treatment. These discoveries underscore the potential of integrating dietary strategies into cancer management, paving the way for personalized nutrition approaches that could enhance therapeutic efficacy.

Looking ahead, the future of research in metabolism and diet in cancer holds immense promise. As we continue to unravel the intricate connections between metabolic pathways and cancer, specific biomarkers may emerge that have the potential of predicting treatment response based on an individual's metabolic profile. The rise of precision medicine, coupled with advances in metabolomics and nutritional genomics, could lead to tailored dietary recommendations that optimize therapeutic outcomes. Additionally, exploring the role of the gut microbiome in cancer metabolism may unveil new avenues for intervention, as emerging evidence suggests that gut bacteria can influence tumor growth and treatment responses.

We invite researchers to contribute to this special Collection on Metabolism and Diet in Cancer, where innovative ideas and findings can be shared to advance our collective knowledge. Topics of interest include but are not limited to:

- Role of metabolic pathways in cancer
- Impact of diet on tumor progression
- Nutritional interventions in cancer therapy
- Gut microbiome and cancer metabolism
- Biomarkers for dietary response in cancer
- Personalized nutrition in cancer management
- Metabolomics in cancer research
- Dietary patterns and cancer risk

Guest Editors

Neil Iyengar, M.D., Winship Cancer Institute of Emory University, United States



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Please [click here](#) or scan the QR code to visit our website.

Submission Deadline: **29 July 2026**

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

Postdoctoral Research Fellow Cancer Metabolism/Immunometabolism, Indiana University, Indianapolis

TREC alum **Dr. Asmaa El-Kenawi** has opened a postdoc position in her laboratory at IU. [Please see the job description attached to this email.](#)

George Eastman Visiting Professorship, University of Oxford, United Kingdom

TREC fellow **Dr. Dimitrios Koutoukidis** announces that Oxford is looking to make the appointments for 2026–27 and 2027–28 for this visiting professorship. This is an immensely distinguished year-long visiting professorship for scholars from the USA, attached to a fellowship at Balliol, one of the most prestigious colleges. It includes a salary and excellent housing in the city centre. Dimitris says, “I appreciate it can be challenging for scientists to take up a year-long visiting professorship, particularly if they have a lab to run. It is somewhat late to be appointing for 2026–27, but the Board very much hopes to identify a suitable candidate for the full year or at least the spring semester. I’d be happy to have a chat with people who might be interested in this.” The opportunity announcement is [here](#) and Dimitris’ email address is dimitrios.koutoukidis@phc.ox.ac.uk.

Director, MECCC and Vice President of Cancer Medicine, Montefiore Einstein Comprehensive Cancer Center, New York

TREC alum **Dr. Esperanza Arias** asked that this position announcement be distributed to the TREC Community. [Attached to this email please find the position description and advertisement.](#)

Assistant or Associate Professor, University of Kansas Center for Implementation Science, Kansas City, Kansas

Dr. Melinda Irwin would like to draw your attention on behalf of Dr. Christie Befort of KUMC where there is opportunity for NIH/NIGMS funding for new/early stage investigators. A NIH P20-funded COBRE that supports the Kansas Center for Implementation Science has 3 open positions for Research Project Leaders. They are currently recruiting and have the opportunity to fill one of those spots externally. It comes with 50% protected time for up to 3 years plus funds for research. They are especially interested in junior faculty pursuing implementation science in the areas of metabolic health, obesity, nutrition, physical activity, and/or cancer prevention and survivorship. We also have a new research program in our KU Cancer Center: Obesity, Metabolic Health, and Cancer. There are ample opportunities for internal pilot funds in these areas. [The job bulletin is posted here](#), and you are welcome to reach out directly to Dr. Befort with questions.

Christie Befort, PhD

Professor, Department Population Health

Associate Director of Cancer Prevention and Control, KU Cancer Center

PI, Kansas Center for Implementation Science

University of Kansas Medical Center

3901 Rainbow Blvd, MS 1008

Kansas City, KS 66160

cbefort@kumc.edu

Assistant Professor, Wake Forest University Department of Cancer Biology. Winston-Salem, North Carolina.

TREC alumna **Dr. Katherine Cook** would like you to know about this opportunity. Open until filled.

<https://academiccareers.com/job/160736/academic-faculty-cancer-biology-department-of-cancer-biology/>

Open Rank Faculty (Part of cluster hire-Environmental Health), Arnold School of Public Health, University of South Carolina

TREC SAB member **Dr. Linda Nebeling** forwards this item of interest. The Department of Health Promotion, Education, and Behavior (HPEB) at the University of South Carolina (USC) Arnold School of Public Health invites applications for a tenure-track faculty position at the rank of Assistant Professor, Associate Professor, or Full Professor. This position is part of the campus-wide **Environmental Health Cluster Initiative**, a strategic effort to expand the University's leadership in advancing research, clinical care, and educational excellence in environmental health. The cluster will broaden expertise across disciplines to foster innovation and address the complexity of environmental health challenges through multidisciplinary scholarship. This initiative focuses on the impact of chemical, physical, behavioral, biological, and social environmental stressors across the lifespan, and emphasizes designing, testing, and scaling programmatic and policy interventions that address these stressors. They seek an **Implementation Science Scholar** whose research focuses on learning how to improve the implementation of interventions that will reduce environmental stressors on health in real-world settings. To learn more about the position and to apply, please visit:

<https://uscjobs.sc.edu/postings/196669>

Notify Diana of position announcements to include in the next newsletter!

Other Items of Interest

Dr. Linda Nebeling passes along the following announcements:

- NOT: Basic Experimental Studies in Humans (BESH) will No Longer Be Considered Clinical Trials by the NIH. [NOT-OD-26-032](#).
- **NIH Funding Blog**
[NIH Institute and Center Director Perspectives on Implementing the NIH Unified Funding Strategy](#)

Last November, NIH announced it is implementing steps towards a unified strategy that will help guide clearer and consistent funding decisions across all Institutes and Centers (ICs). The August NIH Director's statement laid the

foundation, and today we are sharing our thoughts on this NIH Unified Funding Strategy (UFS) from a holistic NIH viewpoint first, and then how this approach aligns with our individual Institute or Center (IC) established funding practices.

Energy Balance and Cancer Publications from the TREC Community in January and February 2026

Below are your energy balance and cancer manuscripts published in January and February!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 85 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1: West S, Scragg J, Aveyard P, Oke JL, Willis L, Haffner SJP, Knight H, Wang D, Morrow S, Heath L, Jebb SA, **Koutoukidis DA**. Weight regain after cessation of medication for weight management: systematic review and meta-analysis. BMJ. 2026 Jan 7;392:e085304. doi: 10.1136/bmj-2025-085304. PMID: 41500720; PMCID: PMC12776922.

2: **Hursting SD**. How fasting boosts breast cancer therapy. Nature. 2026 Jan;649(8098):833-835. doi: 10.1038/d41586-025-03809-8. PMID: 41398385.

3: **Mszar R**, Ali A, Hull SC, **Ferrucci LM**, Baldassarre LA, Khera R, **Irwin ML**, **Clasen SC**. Research Priorities and Future Directions in Cardio-Oncology. Curr Treat Options Oncol. 2026 Jan 4;27(1):4. doi: 10.1007/s11864-025-01366-w. PMID: 41484494.

4: Shi N, Hoobler R, Harewood R, Toland AE, Albanes D, Bouras E, Gunter MJ, Liao LM, Moore SC, Ricceri F, Rotter JJ, Sinha R, Stolzenberg-Solomon R, Tjønneland A, Wood AC, Yu D, **Playdon MC**, Tabung FK. Insulinemic and inflammatory dietary patterns and colorectal cancer risk: a dietary data harmonization study of one million participants in the Consortium of Metabolomics Studies (COMETS). Am J Clin Nutr. 2026 Jan;123(1):101099. doi: 10.1016/j.ajcnut.2025.10.016. Epub 2025 Oct 28. PMID: 41167399; PMCID: PMC12851879.

5: Hebert JR, Murphy EA, **Playdon MC**, Makowski L, Ibele AR, **Fairman CM**, Hofseth LJ. Are GLP-1 receptor agonists a 'magic bullet' for cancer? Nat Rev Cancer. 2026 Jan;26(1):3-4. doi: 10.1038/s41568-025-00874-z. PMID: 40931125.

6: **Puklin LS**, Li FY, **Ferrucci LM**, **Cartmel B**, **Harrigan M**, **McGowan C**, **Zupa M**, **Ligibel JA**, **Sanft T**, **Irwin ML**. Effect of a lifestyle intervention during chemotherapy for breast cancer on quality of life. JNCI Cancer Spectr. 2026 Jan 9;10(1):pkaf125. doi: 10.1093/jncics/pkaf125. PMID: 41452765; PMCID: PMC12803784.

7: West S, **Koutoukidis DA**, Jebb SA. Weight loss drugs are effective, but can healthcare systems afford them? BMJ. 2026 Jan 8;392:s24. doi: 10.1136/bmj.s24. PMID: 41506726.

8: van Lanen AS, **Kok DE**, Wesselink E, Derksen JWG, May AM, Smit KC, Koopman M,

de Wilt JHW, Kampman E, van Duijnhoven FJB; COLON and PLCRC studies. Pre- and post-diagnostic meat intake in relation to risk of recurrence and mortality among individuals with stage I-III colorectal cancer. *Int J Cancer*. 2026 Feb 15;158(4):895-908. doi: 10.1002/ijc.70113. Epub 2025 Sep 18. PMID: 40968593; PMCID: PMC12712359.

9: Ao Y, Yan X, Li Y, Wu F, Liu X, Zhuang P, Zhang Y, **Jiao J**. Association Between the Consumption of Meat Subtypes and Precancerous Lesions of Colorectal Cancer: A Meta-analysis. *Nutr Rev*. 2026 Feb 1;84(2):304-317. doi: 10.1093/nutrit/nuaf093. PMID: 40795254.

10: **Bhandari R**, Jones LW, **Liao Y**. From survival to longevity: Healthy dietary patterns and risk of premature aging in survivors of childhood cancer. *Cancer*. 2026 Feb 15;132(4):e70319. doi: 10.1002/cncr.70319. PMID: 41707043.

11: Diao P, Zhang X, Ishiguro T, Wang X, Tanabe K, Hayashi C, Kittaka H, Imamura H, Nakajima T, Zhang Z, Wang Y, Nakajima T, Kimura T, Kawakubo M, Nakayama J, Nakamuta M, Tanaka N. Kori-tofu ameliorates obesity and steatotic liver disease through enhancing GLP-1 production in the ileum. *Int J Biol Macromol*. 2026 Feb;341(Pt 2):149537. doi: 10.1016/j.ijbiomac.2025.149537. Epub 2025 Dec 6. PMID: 41360246.

12: Bodelon C, Landry M, Lori A, Hodge JM, Choudhury PP, Rees-Punia E, Wang Y, **McCullough LE**, Patel AV, Teras LR. Genetic Predisposition to Excess Body Weight and Survival in Women Diagnosed With Breast Cancer. *JAMA Netw Open*. 2026 Jan 2;9(1):e2553687. doi: 10.1001/jamanetworkopen.2025.53687. PMID: 41528745; PMCID: PMC12801084.

13: Matthews CE, Vallance J, **McNeil J**, Wagoner CW, Wang Q, Dickau L, McNeely ML, Culos-Reed SN, Yang L, **Courneya KS**, Friedenreich CM. Can Step-Based Metrics Predict Current and Future Health-Related Fitness and Patient-Reported Outcomes among Women Diagnosed with Breast Cancer? *Med Sci Sports Exerc*. 2026 Jan 1;58(1):78-85. doi: 10.1249/MSS.0000000000003843. Epub 2025 Sep 3. PMID: 40903012.

14: **Leach HJ**, Bolt M, Clark EW, Hull SE, Diamond JR, Lyden K, Scalzo RL. Cardiorespiratory Fitness, Physical Activity, Sedentary Behavior, and Diabetes Risk Among Breast Cancer Survivors Treated with Endocrine Therapies. *Med Sci Sports Exerc*. 2026 Jan 1;58(1):70-77. doi: 10.1249/MSS.0000000000003849. Epub 2025 Sep 1. PMID: 40903003.

15: White GL, **Kennedy MA**, Cunningham BJ, Dunn R, Martin J, Walker M, Wallington-Gates CT, Wright H, Chan B, Rose GL. Facilitators to the implementation of exercise into cancer care: a systematic review. *J Cancer Surviv*. 2026 Jan 4. doi: 10.1007/s11764-025-01948-5. Epub ahead of print. PMID: 41484497.

16: Winters-Stone KM, Meyers G, Eckstrom E, Cheville A, Garcia JM, McNeely ML, Mohile S, Mustian K, Neil-Sztramko S, Rogers LQ, **Schmitz KH**, Schwartz A, Sitemba J, Smith R, **Campbell KL**. Exercise recommendations for older adults living with and beyond cancer: A consensus statement by the Advancing Capacity to Integrate Exercise Into the Care of Older Cancer Survivors expert panel. *Cancer*. 2026 Jan 15;132(2):e70252. doi: 10.1002/cncr.70252. PMID: 41499155; PMCID: PMC12778376.

- 17: De Leo A, Schofield C, Jeffery E, Mountford E, Cotton E, Lewis J, Hodgson J, **Kennedy MA**. Exploring barriers to nutritional support for oncology patients in regional and rural settings: A scoping review through the lens of Levesque's accessibility framework. *Health Policy*. 2026 Jan;163:105455. doi: 10.1016/j.healthpol.2025.105455. Epub 2025 Oct 17. PMID: 41177037.
- 18: Zhang X, Cao C, Zheng F, Liu C, Tian X. Therapeutic Potential of GLP-1 Receptor Agonists in Diabetes and Cardiovascular Disease: Mechanisms and Clinical Implications. *Cardiovasc Drugs Ther*. 2026 Feb;40(1):287-301. doi: 10.1007/s10557-025-07670-9. Epub 2025 Jan 20. PMID: 39832069; PMCID: PMC12872670.
- 19: Weinreb JT, Abdel-Wahab O, **Shah UA**. The Link between Modifiable Risk Factors and Myeloid Disorders-From Plate to Pathogenesis. *Blood Cancer Discov*. 2026 Jan 12;7(1):31-40. doi: 10.1158/2643-3230.BCD-25-0056. PMID: 41222150.
- 20: Ginex PK, **Kleckner AS**, Mansfield S, Hart NH, Brockton N, Ashbury F, Dixit N. Promoting lifestyle medicine for supportive care in cancer: MASCC endorsement of the ACLM cancer risk reduction and survivorship toolkit. *Support Care Cancer*. 2026 Jan 24;34(2):125. doi: 10.1007/s00520-026-10367-w. PMID: 41579219.
- 21: Cunningham B, Chong JE, **Fairman CM**, Jones MD, **Skinner TL**, Rose GL. Individualisation of Exercise Prescription in Cancer: A Systematic Review and Meta-Analysis. *Sports Med Open*. 2026 Feb 24;12(1):15. doi: 10.1186/s40798-026-00980-8. PMID: 41733868; PMCID: PMC12932768.
- 22: Sleight AG, Weschler SB, Jones JM, Wood KC, Pergolotti M, Williams CP, Brick RS, Lyon S, Virani A, Takata SC, Lyons KD, **Swartz MC**, Fukumura YE, Roberts PS, Frates EP. Integrating cancer rehabilitation and lifestyle medicine: a proposed partnership and case example from the RISE cancer survivorship clinic. *Disabil Rehabil*. 2026 Feb 10:1-13. doi: 10.1080/09638288.2026.2613637. Epub ahead of print. PMID: 41667388.
- 23: Bergerot CD, **Schmitz KH**, Philip EJ, Silva JRG, Smith AB, Bergerot PG. Addressing Fear of Cancer Recurrence Through Remotely-Delivered Exercise. *Psychooncology*. 2026 Jan;35(1):e70383. doi: 10.1002/pon.70383. PMID: 41517893.
- 24: **Cao A**, Cartmel B, Ratner E, Li FY, Schlumbrecht MP, **Kumar A**, **Crane TE**, Esserman DA, **Irwin ML**, **Ferrucci LM**. Body mass index and chemotherapy completion among patients with newly diagnosed ovarian cancer. *JNCI Cancer Spectr*. 2026 Jan 9;10(1):pkaf121. doi: 10.1093/jncics/pkaf121. PMID: 41442446; PMCID: PMC12854082.
- 25: Winn M, Karra P, Benson R, Pauleck S, Chaiyakunapruk N, Khaing W, Veettil SK, McFarland MM, Casucci T, Xu Y, Hu-Lieskovan S, Litchman M, **Playdon M**, **Hardikar S**. Metabolic Syndrome and Obesity-related Cancer Risk and Survival: An Umbrella Review of Systematic Reviews With Meta-analysis of Observational Studies. *Obes Rev*. 2026 Jan 8:e70073. doi: 10.1111/obr.70073. Epub ahead of print. PMID: 41508551; PMCID: PMC12795314.
- 26: **Schmitz KH**, **Ligibel JA**. If Exercise Were a Pill, We'd All Prescribe It to Patients With Cancer. But It's Not. *J Clin Oncol*. 2026 Jan;44(1):5-8. doi: 10.1200/JCO-25-01649. Epub 2025 Nov 21. PMID: 41270257.

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28: Xu J, Ma C, **Hirschey R**, Liu J, Neidre DB, Nielsen ME, Keyserling TC, Tan X, Song L. Associations of role, area deprivation index, and race with health behaviors and body mass index among localized prostate cancer patients and their partners. *J Cancer Surviv*. 2026 Feb;20(1):300-314. doi: 10.1007/s11764-024-01625-z. Epub 2024 Jun 18. PMID: 38888710; PMCID: PMC12906562.

29: Mehrotra K, Chen Y, Richman J, Hageman L, Landier W, Bhatia S, **Wadhwa A**. Household Poverty and Obesity in Children With Acute Lymphoblastic Leukemia: A Report From COG-AALL03N1. *Pediatr Blood Cancer*. 2026 Feb;73(2):e70008. doi: 10.1002/mpo.70008. Epub 2025 Nov 19. PMID: 41257306.

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32: Kassam S, Kassam Z, Nemirovsky D, Derkach A, Chimonas S, **Thomson C, Shah UA**. Oncologists Knowledge and Attitudes Towards Providing Dietary Guidance to Patients With Cancer. *Am J Lifestyle Med*. 2026 Jan 12:15598276251414349. doi: 10.1177/15598276251414349. Epub ahead of print. PMID: 41542219; PMCID: PMC12799481.

33: Ntoukas SM, Mohamad N, Boparai R, Dennett L, McNeely ML, Prado CM, **Courneya KS**. Effects of exercise on health-related fitness and patient-reported outcomes in survivors of head and neck cancer: a systematic review and meta-analysis. *Oral Oncol*. 2026 Feb 24;175:107902. doi: 10.1016/j.oraloncology.2026.107902. Epub ahead of print. PMID: 41740505.

34: Binyam D, Naaktgeboren WR, Groen WG, Aaronson NK, **Hiensch AE**, van Harten WH, Stuiver MM, May AM. Eight-year follow-up of patient-reported outcomes in patients with breast cancer participating in exercise studies during chemotherapy. *J Cancer Surviv*. 2026 Feb;20(1):123-133. doi: 10.1007/s11764-024-01640-0. Epub 2024 Aug 5. PMID: 39103710; PMCID: PMC12906584.

35: Smit KC, Derksen JW, van Lanen AS, Wesselink E, Belt EJT, Berbée M, Cloos-van Balen M, Dekker JWT, van Dodewaard JM, Douma J, de Groot JW, Van Halteren HK, Hendriks MP, De Hingh IH, Houtsuma D, Janssen JJB, Konsten JLM, Los M, Sie MPS, Sommeijer D, Tanis PJ, van der Velden A, Valkenburg-van Iersel L, Vles WJ, de Wilt JHW, **Kok DE**, Kampman E, van Duijnhoven FJB, Koopman M, May AM. Physical activity patterns after diagnosis and survival of prognostic colorectal cancer subgroups. *JNCI Cancer Spectr.* 2026 Jan 9;10(1):pkaf116. doi: 10.1093/jncics/pkaf116. PMID: 41396674; PMCID: PMC12783896.

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37: Ruiz-López A, Montalvo-Alonso JJ, Martín-Rivas I, Del Val-Manzano M, Ferragut C, Valadés D, Barrios-Egea M, **Gonzalo-Encabo P**, Pérez-López A. Effects of Acute and Moderate Caffeine Doses on Sport Climbing Performance: A Randomized Controlled Trial. *Nutrients.* 2026 Jan 16;18(2):284. doi: 10.3390/nu18020284. PMID: 41599897; PMCID: PMC12845081.

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43: Wechsler S, Singh S, Azuero A, Khalidi S, **Stevens CJ**, Hegel M, Muse C,

Newman R, Dos Anjos S, Morency J, Ejem D, Bakitas M, Lyons K. Goal Satisfaction, Not Attainment, Predicted Occupational Performance Improvement During Behavioral Activation/Problem-Solving Rehabilitation After Breast Cancer. OTJR (Thorofare N J). 2026 Jan;46(1):60-73. doi: 10.1177/15394492251315720. Epub 2025 Feb 27. PMID: 40012466; PMCID: PMC12353347.

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50: Coleman A, Johnson JL, **Kwarteng JL**, Holmes AU, Thorpe RJ Jr, Heitman E. Domain-Specific Physical Activity and Obesity Risk among Black Men in the United States: Evidence of a Physical Activity Paradox. J Racial Ethn Health Disparities. 2026 Jan 5. doi: 10.1007/s40615-025-02738-6. Epub ahead of print. Erratum in: J Racial Ethn Health Disparities. 2026 Feb 24. doi: 10.1007/s40615-026-02868-5. PMID: 41491755.

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62: Onerup A, Liu Q, Izumi S, Martínez-Martínez JM, **Dixon SB**, Chow EJ, Hudson MM, Snyder C, Nathan PC, Armstrong GT, Ness KK, Yasui Y. Potential of Exercise for Prevention of Cardiovascular Disease in Survivors of Childhood Hodgkin Lymphoma. JACC CardioOncol. 2026 Feb;8(1):87-89. doi: 10.1016/j.jacc.2025.11.002. PMID: 41705757; PMCID: PMC12922616.

63: Koch HR, Monroe DC, Fordahl S, Finlayson G, Wideman L, **McNeil J**. Exploring Sleep, Energy Balance, and Weight Loss Maintenance After Bariatric Surgery in Adult Females: A Cross-Sectional Study. Obesity (Silver Spring). 2026 Mar;34(3):662-673. doi: 10.1002/oby.70124. Epub 2026 Jan 21. PMID: 41565462; PMCID: PMC12933230.

64: **Cao C**. Promoting an Active Lifestyle Across the Cancer Spectrum. JAMA Netw Open. 2026 Feb 2;9(2):e2556873. doi: 10.1001/jamanetworkopen.2025.56873. PMID: 41701500.

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67: Bergerot PG, Bergerot CD, **Schmitz KH**, Pal SK. Remote Exercise Program for Patients With Metastatic Renal Cell Carcinoma Undergoing Immunotherapy: An EXIO Case Series Report. Oncology (Williston Park). 2026 Feb 10;40(1):44-47. doi: 10.46883/2026.25921060. PMID: 41701866.

68: Lan T, Wang M, Williams AM, Ehrhardt MJ, Lanctot JQ, Wang Z, Jiang S, Krull KR, Armstrong GT, Hudson MM, **Colditz GA**, Robison LL, Ness KK, Park Y. Adherence to healthy dietary patterns and risk of premature aging in adult survivors of childhood cancer in the St. Jude Lifetime Cohort Study. *Cancer*. 2026 Jan 1;132(1):e70246. doi: 10.1002/cncr.70246. PMID: 41477757; PMCID: PMC12879295.

69: **Schmitz KH**, Rogers LQ. Translation of Evidence to Clinical Practice for Exercise Oncology: An Update From the Moving Through Cancer Initiative. *Exerc Sport Sci Rev*. 2026 Jan 1;54(1):3-14. doi: 10.1249/JES.0000000000000373. Epub 2025 Oct 22. PMID: 41128469.

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76: Bergerot PG, Bergerot CD, **Schmitz KH**, Pal S. Enhancing quality of life in patients with prostate cancer through a remote exercise programme. *BJU Int*. 2026 Jan 16. doi: 10.1111/bju.70152. Epub ahead of print. PMID: 41543322.

77: Oh M, An KY, Lee DH, Kokts-Porietis RL, Cook LS, Friedenreich CM, Jeon JY, **Courneya KS**. Long-term association of physical activity with survival by primary cancer treatment in endometrial cancer: The Alberta Endometrial Cancer Cohort Study. *Int J Cancer*. 2026 Feb 10. doi: 10.1002/ijc.70369. Epub ahead of print. PMID: 41665306.

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80: Seo JH, Chung YE, Lim S, **Kim SY**, Han K, Lee YY. Pre-diagnostic physical activity and mortality in cervical cancer: a nationwide cohort study. *Int J Gynecol Cancer*. 2026 Jan 16:104477. doi: 10.1016/j.ijgc.2026.104477. Epub ahead of print. PMID: 41651746.

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85: Hao MY, Li FY, Zhang SM, Yang YX, Xiong YX, Wang HY, Chuah YZ, Chen ZH, Xu LX, Sun P, **Ji J**, Jia L, Li H, Liu Y, Sun Y, Lv JW, Li Y, Zhou GQ. Malnutrition-related symptom clusters and quality of life in nasopharyngeal carcinoma patients during radiotherapy: a network analysis. *BMC Cancer*. 2026 Feb 13. doi: 10.1186/s12885-026-15694-z. Epub ahead of print. PMID: 41688939.

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TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 8, Issue 3. April 2026

Greetings!

Dear TREC Faculty, Fellows and Friends,

Welcome to a new edition of *TREC Connects*!

2026 TREC Workshop: We are finalizing the agenda for this year's Workshop (June 22-26). So looking forward to meeting **twenty-nine amazing 2026 TREC Fellows**, who for the first time are receiving the TREC Connects Newsletter! We look forward to meeting all new fellows in June, as well as to seeing many TREC faculty and alumni!

2026 New Fellows Cohort: Such an inspiring group of new fellows for our 2026 cohort! Of the 29 new fellows, 7 are basic scientists, 9 are clinician researchers, and 13 are population scientists. With this cohort, we have expanded our TREC reach to three new academic institutions (Rutgers, Vanderbilt, and Mt. Sinai), which brings our total breadth of TREC to 256 TREC Fellows across 90 institutions globally.

Aside from Workshop prep, much has been happening and below we have great news to share showcasing many of the terrific accomplishments that YOU have made this last month. Congrats to you all!

We feel such immense gratitude for YOU – our entire TREC community – and a **warm welcome to our 2026 Fellows!!!**

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

In Case You Missed It: TREC Network Analysis of TREC Publications

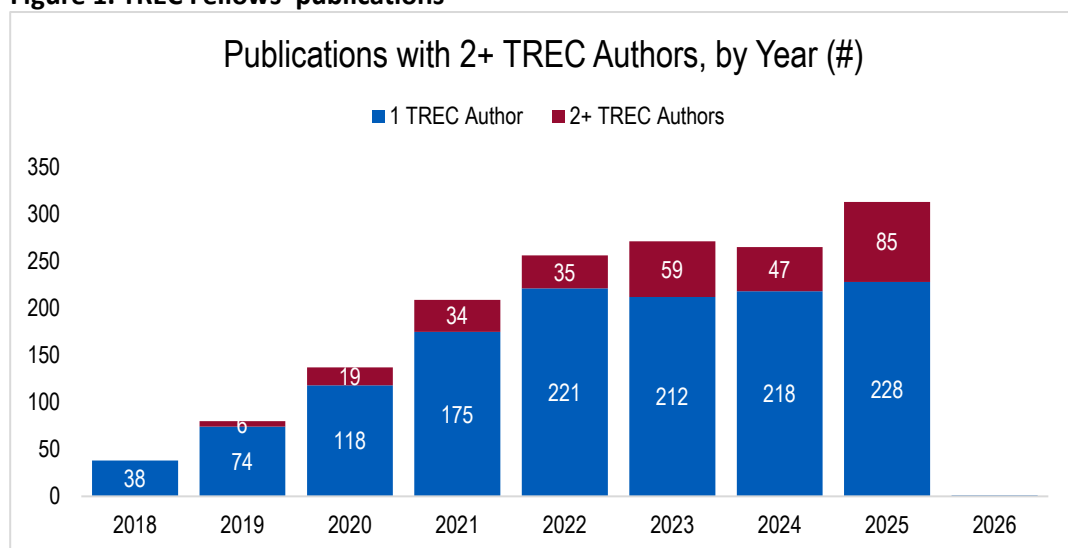
In preparation for the TREC Competitive Renewal, in collaboration with NCI colleagues, we completed a network analysis of the TREC Fellows publications. We limited the analysis to the first eight TREC cohorts (2017-2024, n = 201) as the 2025 TREC cohort of Fellows' publications were likely not attributed to the TREC program. To identify cancer and energy balance-related publications associated with each Fellow, the below search string was used in PubMed in December 2025. Variations of each Fellow's name (i.e., first and last name; first name, middle initial, and last name) were included in the search, and author affiliations were reviewed to ensure that results were authored by TREC Fellows. Only articles published in the year(s) after the TREC fellowship were included (e.g., articles published in 2018 or beyond were included for individuals who completed their fellowship in 2017; articles published in 2025 or beyond were included for individuals who completed their fellowship in 2024). Preprints, corrections, and publications not relevant to energy balance and cancer were excluded.

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((NAME[Author]) AND ("YEAR/01/01"[Date - Publication] : "3000"[Date - Publication])) AND (cancer[Title/Abstract] OR carcinoma[Title/Abstract] OR oncology[Title/Abstract] OR neoplasm[Title/Abstract] OR metastases[Title/Abstract] OR leukemia[Title/Abstract] OR "DNA methylation"[Title/Abstract]) AND ("energy balance"[Title/Abstract] OR nutrition[Title/Abstract] OR diet[Title/Abstract] OR "dietary pattern"[Title/Abstract] OR "dietary patterns"[Title/Abstract] OR fasting[Title/Abstract] OR metabolism[Title/Abstract] OR exercise[Title/Abstract] OR "physical activity"[Title/Abstract] OR sedentary[Title/Abstract] OR obesity[Title/Abstract] OR weight[Title/Abstract] OR "weight loss"[Title/Abstract] OR "body composition"[Title/Abstract] OR muscle[Title/Abstract] OR fat[Title/Abstract] OR adiposity[Title/Abstract] OR sarcopenia[Title/Abstract] OR "GLP-1 receptor agonist"[Title/Abstract] OR "GLP-1 receptor agonists"[Title/Abstract] OR "incretin mimetic"[Title/Abstract] OR "incretin mimetics"[Title/Abstract] OR lifestyle[Title/Abstract] OR vegetable[Title/Abstract] OR fruit[Title/Abstract] OR fatty[Title/Abstract] OR "caloric restriction"[Title/Abstract] OR metabolomic[Title/Abstract] OR fatigue[Title/Abstract])
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Publication information (e.g., PubMed IDs, titles, abstracts, authors and affiliations, MeSH keywords, PubMed keywords) was extracted and authors of each article were coded as TREC authors if the article was published in the year(s) after the individual completed their TREC fellowship. Results from the network analysis are listed below and in Figure 1.

- **1,570** energy balance and cancer peer-reviewed publications authored by TREC Fellows from 2018 through 2025
- **446** publications with TREC Fellows as first author
- **410** publications with TREC Fellows as last author
- **285** publications with 2+ TREC Fellows as co-authors
- Average number of publications per TREC Fellow = 10

Figure 1. TREC Fellows' publications



Below, we highlight some TREC manuscripts from the Network Analysis that included 2+ TREC Fellows as co-authors and a TREC Fellow as first author. Names in black bold are TREC Fellows and names in blue bold are TREC Faculty.

Iyengar NM, Arthur R, Manson JE, **Chlebowski RT**, Kroenke CH, **Peterson L**, **Cheng TD**, **Feliciano EC**, Lane D, Luo J, Nassir R, **Pan K**, Wassertheil-Smoller S, Kamensky V, Rohan TE, Dannenberg AJ. Association of Body Fat and Risk of Breast Cancer in Postmenopausal Women With Normal Body Mass Index: A Secondary Analysis of a Randomized Clinical Trial and Observational Study. *JAMA Oncol.* 2019;5(2):155-163. PMID: 30520976; PMCID: PMC6439554. **Total Citations = 151**

Arem H, **Mama SK**, Duan X, Rowland JH, Bellizzi KM, **Ehlers DK**. Prevalence of Healthy Behaviors among Cancer Survivors in the United States: How Far Have We Come? *Cancer Epidemiol Biomarkers Prev.* 2020;29(6):1179-1187. PMID: 32409489; PMCID: PMC7778877. **Total Citations = 69**

Brown JC, **Caan BJ**, Prado CM, **Cespedes Feliciano EM**, Xiao J, Kroenke CH, Meyerhardt JA. The Association of Abdominal Adiposity With Mortality in Patients With Stage I-III Colorectal Cancer. *J Natl Cancer Inst.* 2020;112(4):377-383. PMID: 31355882; PMCID: PMC7156926. **Total Citations = 45**

Shah UA, **Iyengar NM**. Plant-Based and Ketogenic Diets As Diverging Paths to Address Cancer: A Review. *JAMA Oncol.* 2022;8(8):1201-1208. PMID: 35797039; PMCID: PMC10184023. **Total Citations = 40**

Wellberg EA, Corleto KA, Checkley LA, Jindal S, Johnson G, Higgins JA, Obeid S, Anderson SM, Thor AD, Schedin PJ, MacLean PS, **Giles ED**. Preventing ovariectomy-induced weight gain decreases tumor burden in rodent models of obesity and postmenopausal breast cancer. *Breast Cancer Res.* 2022;24(1):42. PMID: 35725493; PMCID: PMC9208221. **Total Citations = 13**

Giles ED, Cook KL, Jenschke RM, Corleto KA, Landrock D, Mahmood TN, Sanchez KE, Levin A, Hursting SD, Kimler BF, Komm BS, Fabian CJ. Metabolic and transcriptional effects of bazedoxifene/conjugated estrogens in a model of obesity-associated breast cancer risk. *JCI Insight*. 2025;10(8):e182694. PMID: 40048260; PMCID: PMC12016928.

Grants Awarded

PI: Jenni Sheng, MD. 2020 TREC Fellow

Title: Clinician Scientist Development Grant

Mechanism: American Cancer Society

Please notify Diana of YOUR new grants to showcase in the next newsletter!

Appointments and Promotions and other Acolades

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

all updated email addresses will be published in next TREC Directory (on members' website)

Curtis J. Henry, PhD, TREC Fellow 2019 is a 2026 award recipient for outstanding research and career achievement from the American Association of Immunologists (AAI) and will be recognized at their meeting in Boston in April. *That's awesome, Curtis!*

Paige Arneson-Wissink, PhD, TREC Fellow 2023 has been promoted to Assistant Professor and will be transitioning to Rosalind Franklin University in the Center for Genetic Disease this March. Paige's new email address is up and running now so please feel free to reach out to her at Paige.arnesonwissink@rosalindfranklin.edu. *Fantastic news, Paige, congrats!*

Have YOU moved and have a new email address? -- remember to notify Diana so she can update the TREC distribution list and members ROSTER which is posted on the members' website!

Call for Manuscripts

Special Issue on Obesity and Cancer in *Cancer*

TREC collaborators **Drs. Tanya Agurs-Collins and Edward Sauter** are co-editing a special issue in the journal *Cancers* on the topic of obesity and cancer. There is an opportunity to include up to two free publications (authored manuscripts). They thought that this might be an opportunity for some of the TREC Fellow Alumni to publish your work. The link is below.

https://www.mdpi.com/journal/cancers/special_issues/3MSUI6DZ8I

Special Collection in *Cancer Control*

Exercise in Oncology: Translational Evidence for Exercise Across the Cancer Continuum. TREC Fellow **Dr. Justin Brown** is guest editing this special collection. **Submission deadline is October 5, 2026** <https://journals.sagepub.com/topic/collections-ccx/002117/ccxa>.

Special Journal Issue Diet and Breast Cancer

TREC alum **Dr. Neil Iyengar** is guest editing a special issue of the Nature publishing group's breast cancer journal (*npj Breast Cancer*) which will be focused on metabolism and diet in breast cancer. While original research submissions are favored, the journal will also welcome meta-analyses, narrative reviews, and commentaries.

Here is a link to the call for papers: <https://www.nature.com/collections/gchgchibai>.

Below is attached the announcement with more details. Submissions will be accepted up until June 17, 2026.

Call for papers

Metabolism and diet in cancer



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With rising global incidence of cancers driven by metabolic dysfunction, particularly in young people, advancing our collective understanding of the relationships between metabolism, diet, and cancer is critical for the development of more effective prevention and treatment strategies. The interplay between metabolic processes and cancer progression is complex and multifaceted, influencing tumor growth, response to therapy, and overall patient outcomes. By deepening our knowledge in this area, we can uncover novel therapeutic targets and dietary interventions that may improve quality of life, symptom control, and cancer outcomes.

Recent years have seen significant advances in our understanding of how metabolism influences cancer biology. The foundational discovery of the Warburg effect demonstrated that cancer cells leverage altered metabolic pathways to preferentially utilize glycolysis for energy production. More recent findings indicate that cancer cells may shift metabolism to adapt and leverage host energetic states. Furthermore, dietary components, such as polyunsaturated fatty acids and molecules with antioxidant properties, can modulate tumor and patient responses to treatment. These discoveries underscore the potential of integrating dietary strategies into cancer management, paving the way for personalized nutrition approaches that could enhance therapeutic efficacy.

Looking ahead, the future of research in metabolism and diet in cancer holds immense promise. As we continue to unravel the intricate connections between metabolic pathways and cancer, specific biomarkers may emerge that have the potential of predicting treatment response based on an individual's metabolic profile. The rise of precision medicine, coupled with advances in metabolomics and nutritional genomics, could lead to tailored dietary recommendations that optimize therapeutic outcomes. Additionally, exploring the role of the gut microbiome in cancer metabolism may unveil new avenues for intervention, as emerging evidence suggests that gut bacteria can influence tumor growth and treatment responses.

We invite researchers to contribute to this special Collection on Metabolism and Diet in Cancer, where innovative ideas and findings can be shared to advance our collective knowledge. Topics of interest include but are not limited to:

- Role of metabolic pathways in cancer
- Impact of diet on tumor progression
- Nutritional interventions in cancer therapy
- Gut microbiome and cancer metabolism
- Biomarkers for dietary response in cancer
- Personalized nutrition in cancer management
- Metabolomics in cancer research
- Dietary patterns and cancer risk

Guest Editors

Neil Iyengar, M.D., Winship Cancer Institute of Emory University, United States



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Submission Deadline: **29 July 2026**

Are YOU editing or guest editing any special editions of peer reviewed journals? Send details to Diana who can put out a call for manuscripts for you to the TREC membership!

Position Announcements

For Clinician-Researchers: Medical Director, Zakim Center for Integrative Therapies and Healthy Living, Dana Farber, Boston
TREC Senior Advisory Board and Faculty Member, **Dr. Jennifer Ligibel** would like all clinician-researchers in the TREC community to be aware of this position. The application deadline is June 2, 2026. Please see the job description attached to this newsletter email.

Notify Diana of position announcements to include in the next newsletter!

Energy Balance and Cancer Publications from the TREC Community in March 2026

Below are your energy balance and cancer manuscripts published in March!

Note: we are selective in what we list here, looking for pubs that are both energy balance and cancer related. However, if we missed your energy balance and cancer publication, please let us know and we will include in the next newsletter.

All of the 48 pubs listed below have at least one TREC Fellow or Faculty author!

We hope that the TREC community will read these pubs to increase your knowledge, cite them, share on social media, and they might even lead to future collaborations!

1: Shen S, Brown KA, Green AK, **Iyengar NM**. Obesity and Cancer: A Translational Science Review. JAMA. 2026 Mar 9. doi: 10.1001/jama.2026.1114. Epub ahead of print. PMID: 41801209.

2: Ophoff D, Bos D, van Heek T, Witteman BJ, de Wilt JHW, Popuri K, Beg MF, **Winkels RM**, van Duijnhoven FJB, Giovannucci EL, Kampman E, Kok DE. Liver fat and clinical outcomes in individuals with stage I-III colon or rectal cancer. J Natl Cancer Inst. 2026 Mar 1;118(3):466-475. doi: 10.1093/jnci/djaf324. PMID: 41212533; PMCID: PMC13016977.

3: Nair HB, Nair A, Liu YG, Vijayan DK, Subramani R, Lakshmanaswamy R, **Viswanadhapalli S**, Sareddy GR, Batra SK, Vadlamudi RK. Midkine (MDK) as a central regulator of the tumor microenvironment: From developmental cytokine to therapeutic target. Cancer Lett. 2026 Mar 31;641:218258. doi: 10.1016/j.canlet.2026.218258. Epub 2026 Jan 20. PMID: 41570933; PMCID: PMC12860532.

4: Batrakoulis A, Perivoliotis K, **Courneya KS**, **Schmitz KH**, Schwartz AL, Al-Mhanna SB, Liapis N, Tzovaras G, Baloyiannis I. Comparative Efficacy of Various Exercise Types on Psychophysiological Outcomes in Colorectal Cancer Survivors: A Network Meta-Analysis. Med Sci Sports Exerc. 2026 Apr 1;58(4):670-682. doi: 10.1249/MSS.0000000000003900. Epub 2026 Mar 5. PMID: 41289064.

5: **Ji J**, Niknafs A, Jones LW. Evaluating the feasibility and efficacy of exercise interventions for older survivors of cancer. Cancer. 2026 Mar 1;132(5):e70278. doi: 10.1002/cncr.70278. PMID: 41717854.

6: Grewal K, Moura Nascimento Santos MJ, Chauhan PK, Yu K, Tannir NM, Mukhida SS, Venkatesh N, Shah AY, Zurita AJ, Johns AC, Campbell MT, Goswami S, Gao J, Jonasch E, **McQuade JL**, Alhalabi O, Msaouel P, Hahn AW. Influence of body composition on the efficacy of nivolumab plus ipilimumab for metastatic clear cell renal cell carcinoma. J Immunother Cancer. 2026 Mar 3;14(3):e014363. doi: 10.1136/jitc-2025-014363. PMID: 41775432; PMCID: PMC12958928.

7: Kokts-Porietis RL, Morielli AR, Yang L, Matthews CE, Lupichuk S, Roldan-Urgoiti G, McNeely ML, Culos-Reed SN, Vallance JK, Dickau L, **Courneya KS**, Friedenreich CM. Associations of health-related fitness and physical activity with chemotherapy outcomes in breast cancer. Br J Cancer. 2026 Mar 27. doi: 10.1038/s41416-026-03384-3. Epub ahead of print. PMID: 41896651.

8: **Sukumar JS**, Raghavendra AS, Pasyar S, Bassett RL, Tripathy D, Barcenas CH, **Basen-Engquist KM**, Arun BK. Weight Loss Patterns and Clinical Outcomes of GLP1 Receptor Agonists in Breast Cancer Survivors. Cancer Res Commun. 2026 Mar 1;6(3):447-455. doi: 10.1158/2767-9764.CRC-25-0554. PMID: 41677473.

9: **Oh S**, Sui Y, Shin S, Janknecht R. Promotion of breast cancer by the DNPH1 enzyme. *iScience*. 2026 Mar 4;29(4):115227. doi: 10.1016/j.isci.2026.115227. PMID: 41847111; PMCID: PMC12990376.

10: **Kang DW, Courneya KS, Swartz MC**, Maleki Vareki S, Gordon NB, Cesar Rosa Neto J, Simpson RJ, Baker KS, **Schadler KL, Lavoy EC**. Chronic exercise training intensity, immune cells, and cancer outcomes: a scoping review. *JNCI Cancer Spectr*. 2026 Mar 7:pkag021. doi: 10.1093/jncics/pkag021. Epub ahead of print. PMID: 41795834.

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L-R: Katie Schmitz, Marian Neuhouser

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