



**YALE SCHOOL OF MEDICINE  
STUDENT RESEARCH DAY**

*Tuesday, May 7, 2024*

**The Anlyan Center (TAC)  
300 Cedar Street  
New Haven, Connecticut**





## SCHEDULE OF EVENTS

**12:00 p.m. – 1:00 p.m.**  
Lunch – All Invited (Lobby)

**1:00 p.m. – 1:10 p.m.**  
Opening Remarks by Dean Nancy Brown and Associate Deans of Student  
Research Sarwat Chaudhry and Erica Herzog (Auditorium, NI07)

**1:10 p.m. – 2:10 p.m.**  
36th Annual Farr Lecture delivered by Dr. Peter S. Aronson (NI07)

**2:10 p.m. – 2:20 p.m.**  
Break

**2:20 p.m. – 2:30 p.m.**  
Remarks by Dr. Lee Goldman, YSM Class of '73 (NI07)

**2:30 p.m. – 3:50 p.m.**  
Jill and Lee Goldman, MD '73 Plenary Scientific Session  
Oral Presentations (NI07)

**3:50 p.m. – 4:00 p.m.**  
Dr. John N. Forrest, Jr., Mentorship Award  
presented by Dr. John K. Forrest to Dr. Shelli Farhadian (NI07)

**4:00 p.m. – 5:00 p.m.**  
Scientific Poster Session (Lobby)



## **36<sup>th</sup> ANNUAL LEE E. FARR, MD, LECTURESHIP**

***“From Sugar to Salt to Stones: Serendipitous Journey as Mentee and Mentor”***

**Peter S. Aronson, MD**

Dr. Aronson received his undergraduate education at the University of Rochester and his medical education at New York University. He was an internal medicine resident at the University of North Carolina and a research fellow at the National Institutes of Health before coming to Yale as a nephrology fellow in 1974. He joined the Yale faculty in 1977 and was Chief of the Section of Nephrology from 1987-2002. Dr. Aronson has published articles and book chapters on the mechanisms regulating sodium, chloride, acid-base, and oxalate excretion by the kidney. He has received several awards and honors for his research work, including the Young Investigator Award of the American Society of Nephrology (ASN) and American Heart Association in 1985, the Homer W. Smith Award of the ASN in 1994, Fellow of the American Association for the Advancement of Science in 1996, Fellow of the American Academy of Arts and Sciences in 2009, the Robert W. Berliner Award of the American Physiological Society (APS) in 2016, and the Walter B. Cannon Award of the APS in 2019. He served as President of the American Society of Nephrology in 2008. Dr. Aronson actively participates in the teaching of undergraduate, graduate and medical students. He was a co-recipient of the Charles W. Bohmfalk Teaching Prize in the Basic Sciences in 2005 and received the Fund for Physician-Scientist Mentorship Award in 2023. Dr. Aronson is an Associate Director of the Yale MD-PhD Program and has made numerous contributions to the medical student research program including founding the START@Yale (Summer to Advance Research Training) program in 2012 and co-directing YSM’s NIDDK T35 training program.

## **Jill and Lee Goldman, MD ‘73 Plenary Scientific Session**

The Jill and Lee Goldman, MD ‘73 Plenary Scientific Session is made possible by an endowment established by the Goldmans in 2019. Dr. Goldman, who is a member of the Yale College Class of 1969 and Yale School of Medicine Class of 1973, is Professor of Medicine and Epidemiology at Columbia University, where he also is Dean Emeritus of the Faculties of Health Sciences and Medicine and the former Chief Executive of Columbia University Irving Medical Center.

Dr. Goldman was previously the Julius R. Krevans Professor and Chair of the Department of Medicine at the University of California, San Francisco, and a Professor of Medicine and Epidemiology at Harvard. He serves as the lead editor of *Goldman-Cecil Medicine*. Jill S. Goldman, MS, MPhil (Yale 1971), is Professor of Genetic Counseling in Neurology at Columbia University Irving Medical Center and a genetic counselor at the Taub Institute in the Vagelos College of Physicians and Surgeons. Ms. Goldman also is the editor of the textbook *Genetic Counseling for Adult Neurogenetic Diseases: A Casebook for Clinicians*. She created “A Friend for Rachel,” a companionship program in which people with early to moderate dementia are paired with Columbia pre-medical students.

The Goldmans are delighted to support medical student research because Yale and the thesis experience fundamentally changed their lives.



## PLENARY SCIENTIFIC SESSION

### **Jill and Lee Goldman, MD '73 Plenary Scientific Session – Oral Presentations**

**Moderator: Daniel Sarpong, PhD**  
*The Anlyan Center Auditorium (N107)*

**2:20 p.m. Opening Remarks**  
Dr. Lee Goldman, YSM Class of '73

**2:30 p.m. Victoria Marks**  
*Association between Medical Insurance, Access to Care, and Clinical Outcomes  
for Patients with Uveal Melanoma in the United States*

**2:45 p.m. Amanda Liberman**  
*Multilevel Barriers to Methadone for HIV Prevention Among People  
Who Inject Drugs in Kazakhstan*

**3:00 p.m. Chinye Ijeli**  
*Medicaid Coverage for Undocumented Children in Connecticut:  
A Political History*

**3:15 p.m. Jamieson O'Marr**  
*Ballistic and Explosive Orthopaedic Trauma Epidemiology and Outcomes  
in a Global Population*

**3:30 p.m. Kingson Lin**  
*Design, Synthesis, and Characterization of Novel MGMT-Dependent,  
MMR-Independent Agents for the Treatment of Glioblastoma Multiforme (GBM)*



## 2024 ANNUAL SCIENTIFIC POSTER SESSION

### *Presenters and Sponsoring Departments*

#### **POSTER NUMBER:**

#### **MD Students**

##### Department of Anesthesiology

1. Amanda Jankelovits, Cecilia Lee, Emily Gu, Dean MacCarter, Ziad J. Carr: *Observed Gender Differences in Gas Exchange Derived Pulmonary Capacitance in a Cohort of Functionally Independent Older Adults.*
2. Tanner Metcalfe, Chris Le, Meghan Rossi, Richard Daneman, Helene Benveniste: *Ketogenic Diet: Making our sleep less effective? Investigating the Effect of the Ketogenic Diet on the Circadian Rhythmicity of Glymphatic Function in Mice.*

##### Department of Dermatology

3. Angela J. Luo, Caroline Nelson, Sarika Ramachandran, Yunshan Xu, Yanhong Deng, Keith A. Choate: *Demonstrating the Reliability of Ichthyosis Severity Scoring Instruments in Skin of Color.*
4. Emily Sirotych, Samara Katini, Natasha Stroedecke, Steph Luon, Jeffrey M. Cohen: *Dermatologist and Pharmacist Perspectives of a Collaborative Co-Management Program.*
5. Sarah L. Spaulding, Martin D. Slade, Kimhuoy Tong, Natasha Stroedecke, Samara Katini, Steph Luon, Jeffrey M. Cohen: *A Pilot Study on Specialty Medication Co-Management by a Dermatologist and Pharmacist.*
6. Qiwei Wilton Sun, Hao Feng, Jeffrey M. Cohen: *Trends in Injectable Biologic Prescribing by Dermatologists Among Medicare Beneficiaries.*
7. Qiwei Wilton Sun, Benjamin J. Oldfield, Howard P. Forman: *Enhancing Quality Care Delivery in Federally Qualified Health Centers Through Strategic Clinician Staffing.*
8. A. Mitchel Wride, Marina Z. Joel, Jeffrey M. Cohen: *Psoriasis Associated with Inflammatory Bowel Disease: A Cross-Sectional Analysis in the NIH All of Us Research Program.*

##### Department of Emergency Medicine

9. Thomas Pointer, Kailey Carlson, Carter McCaskill, Tracy Rabin, Linda Mayes, Nick Pumilia, Stephanie Sun, Cynthia McNamara: *A Needs Assessment for Rural Health Education in United States Medical Schools.*



10. Thomas Pointer, Craig Rothenberg, Ryan Koski-Vacirca, Arjun K. Venkatesh, Hazar Khidir: *Intersectional Patterns in Rural and Urban Emergency Department Utilization: A National Study.*
11. Kirsten Lalli, Nisha Charkoudian, Yonatan Moreh, David DeGroot: *The Role of Motivation to Excel in the Etiology of Exertional Heat Stroke.*

### Department of Immunobiology

12. Kelly Butler, Elise Liu: *Increases in Stool Peanut IgA May Contribute to Peanut Oral Immunotherapy Response.*

### Department of Internal Medicine

13. William Allen, Mel Defilippo, Charles A. Warnock, Dini Harsono, Christopher A. Cole, E. J. Edelman: *Opportunities to Address Alcohol Use with Community-Based HIV Testing: A Parallel Mixed Methods Study.*
14. Matthew Andersen, Natalia Kunst, Ilana Richman: *Cost-Effectiveness of Artificial Intelligence (AI) in Breast Cancer Screening.*
15. Adith S. Arun, César Caraballo, Mitsuki Sawano, Yuan Lu, Rohan Kherra, Clyde W. Yancy, Harlan M. Krumholz: *Nationwide Trends in Excess Cause-Specific Mortality Rates Between Black and White Individuals, 1999-2020.*
16. Noah Brazer, Deron Galusha, Karen Wang, Carol Oladele: *Healthcare Worker Perceptions of Patient Discrimination Based on Race and Ethnicity by Healthcare Worker Demographic Characteristics.*
17. Evan Cao, Benjamin A. Howell: *Feasibility of Unconditional Cash Transfers as Health Interventions: Reducing Post-Incarceration Income Instability to Improve Chronic Health.*
18. Karthik Chetlapalli, Joseph Ross, Reshma Ramachandran: *The Portrayal of Efficacy and Safety in FDA Press Releases for Novel Drug Approvals.*
19. Fabrizio Darby, Alaa Alashi, Santiago Callegari, Aryan Gajjar, Carlos Mena-Hurtado, Kim Smolderen: *PAD and Autonomic Dysregulation: A Systematic Review.*
20. Fabrizio Darby, Albert Rancu, Tiana Clemons, John Garcia-Munoz, Chloe Dlott, Donna Kurek, Daniel Wiznia: *Social Workers Collaborate with Orthopaedic Nurses to Address Social Determinants of Health to Optimize Patient Care.*
21. Robert Cotter, Katherine Kaufman, Angelika Kudla, Jennifer Burns, Linda Ehrlich-Jones, Allen Heinemann: *Effectiveness of Interventions for Depressive Symptoms in Adults with Spinal Cord Injury and Comorbid Depression: Findings from a Systematic Review.*



22. Julia Eisen, Anthony Russo, Zeren Toksoy, Xiaoyue Hu, Fadi Akar, Le Zhang, Lawrence H. Young: *Atrial Myocyte AMPK Deletion Alters Single Nuclear Profiles prior to Atrial Fibrillation in Mice.*
23. Cameron Hunter, Wei Cheng, Stephanie Halene, Lourdes M. Mendez, Nikolai A. Podoltsev, Amer M. Zeidan, Rory M. Shallis: *Feasibility, Safety and Predictors of Outcomes of Patients with Acute Myeloid Leukemia Discharged "Early" after Intensive Induction Therapy.*
24. Mamadou Jallow, Gaëlle Romain, Carmen Pajarillo, Yasser Jamil, Dhruv Kansal, Kim Smolderen, Carlos Mena-Hurtado: *Variability in Guideline-Directed Medical Therapy among Sites and Operators; and Patient Factors associated with its Usage following Carotid Artery Revascularization: Insights from a Nationwide Registry.*
25. Tamar A. Kaminski, Terrence E. Murphy, John O'Leary, Linda Leo-Summers, Lauren Ferrante: *Health-Related Social Needs Before and After Critical Illness Among Medicare Beneficiaries.*
26. Nicole Odzer, Rachel Jaber Chehayeb, Sarah Schellhorn, Maryam Lustberg, Cary P. Gross, Do Lee, Julia Foldi: *Patterns of Adjuvant Bone Modifying Agent Use in Patients with Early-Stage Breast Cancer in the United States.*
27. Oscar Perales, Lucia Jilaveanu, Adebowale Adeniran, David G. Su, Michael Hurwitz, David Braun, Harriet Kluger, David Schoenfeld: *TIGIT Expression in Renal Cell Carcinoma Infiltrating T Cells is Variable and Inversely Correlated with PD-1 and LAG3.*
28. Omar Qureshi, Carlos Mena-Hurtado, Gaëlle Romain, Jacob Cleman, Santiago Callegari, Kim G. Smolderen: *Applying a Random Forest Approach in Predicting Health Status in Patients with Carotid Artery Stenosis 30 Days Post-Transfemoral Carotid Artery Stenting.*
29. Jaiveer Singh, Samuel Reinhardt, David Hur, Lissa Sugeng, Emmanuel Akintoye, Bernardo Lombo, Evgeny Shkolnik, Lavanya Bellumkonda, Robert McNamara, Kamil Faridi: *Elevated Systolic Blood Pressure and Hemodynamic Parameters in Patients with Aortic Stenosis Undergoing Echocardiography in Real-world Practice.*
30. Ryan Sutherland, Chai Yu Shen, Raj Kumar A/L Sevalingam, Tan Cia Vei, Ruthashini R. Selvasingam, Rosheene Jeya Prekash, Lauretta Grau, Jeffrey Wickersham: *"Because of His Sin, He Got HIV": Exploring Malaysian Physicians' Attitudes toward Transgender and HIV+ Patients.*
31. Caroline Valdez, Gabriela Athziri Sánchez-Zuno, Anya Mahajan, Richard Bucala, Thuy Tran: *Therapeutic Targeting of the MIF/DDT/CD74 Axis in Head and Neck Squamous Cell Carcinoma (HNSCC) Murine Models.*
32. Irvin Yi, Eleni Gaspar, William Eighthy, Heidi Roeder, Noffar Bar: *Impact of Weekly Bortezomib Versus Twice Weekly Bortezomib on Rates of Peripheral Neuropathy in Combination with Lenalidomide, Dexamethasone and Daratumumab.*





33. Zoe Zimmerman, Michelle Eakin, Geoffrey Chupp, Sandra Zaeh: *Utilization of Single Maintenance and Reliever Therapy (SMART) for Moderate and Severe Asthma.*

#### Department of Laboratory Medicine

34. Christian Puzo, Alexa Siddon: *Defining a Lineage Specific Chimerism Threshold for the Use of Donor Lymphocyte Infusions in Treating Myeloid Malignancies.*

#### Department of Ophthalmology & Visual Science

35. Serina Applebaum, Julia Fu, Kristen Nwanyanwu: *Duration and Quantity of Lapses in Care for Individuals with Proliferative Diabetic Retinopathy: Risk Factors and Outcomes.*
36. Mark Dibbs, Mitchelle Matesva, Christina Jayaraj, Mathieu Bakhoun: *Identifying Causative Pathogens of Corneal Ulcers through Tears using Nanopore Sequencing.*

#### Department of Orthopaedics & Rehabilitation

37. Julian Smith-Voudouris, Lucas Kim, Jonathan Grauer: *Primary Raynaud's Phenomenon Increases Risk of Adverse Events Following Total Knee Arthroplasty.*
38. Justin R. Zhu, Lucas Kim, Anoop R. Galivanche, Peter Y. Joo, Jonathan N. Grauer: *Ankle Fracture Surgery: Does Subspecialty of the Operating Surgeon Affect Patient Outcomes.*
39. Justin R. Zhu, Michael J. Gouzoulis, Anthony Seddio, Jonathan N. Grauer: *The Orthopaedic Impact of Firearm Injuries: Trends in Gunshot-Related Fractures.*
40. Justin R. Zhu, Michael J. Gouzoulis, Anthony Seddio, Jonathan N. Grauer: *The Rise of Database Research with Spine-Related Studies.*

#### Department of Pediatrics

41. Arielle Shibi Rosen, Kirsten Bechtel: *Children's ED Provider Experiences with Lethal Means Counseling and Firearm Access for Patients with Behavioral Health Emergencies.*

#### Department of Psychiatry

42. Rebecca Marks, Anjali Sankar, Leila Colic, Jair Soares, Joaquim Radua, Eduard Vieta, Benson Mwangi, Edith Pomarol-Clotet, Erick Canales-Rodríguez, Raymond Salvador, Brian Pittman, Annemieke Dols, Martha Sajatovic, Lisa T. Eyler, Hilary Blumberg: *Cortical Thickness in Middle and Older Age Adults with Bipolar Disorder Across Six International Sites.*



## Department of Radiology & Biomedical Imaging

43. Ishan Ayyalasomayajula, Shawn Thomas, Joshua Cornman-Homonoff: *Effect of Transjugular Intrahepatic Portosystemic Shunt (TIPS) Under-Dilation on Clinical Outcomes: A Retrospective, Comparative Analysis.*

## Yale School of Public Health

44. Chaney C. Kalinich, Freddy Gonzalez, Mallery I. Breban, Isabel Distefano, Ted Cohen, Nathan D. Grubaugh, Seth Redmond: *Developing Low-Cost, Whole-Genome, Targeted Sequencing of Mycobacterium Tuberculosis.*
45. Charlotte Kim, Mary Lansing, Derek AT Cummings, Byron Kennedy, Robert Richenson, Albert I. Ko, Margaret L. Lind: *Mass SARS-CoV-2 Testing and Contact Tracing in a Correctional System During the Pandemic.*

## Department of Surgery

46. Ismail Ajjawi, Sam Boroumand, Nancy Park, Viola Stögner, Lioba Huelsboemer, Karen Bach, Martin Kauke-Navarro, Bohdan Pomahac, David Colen: *Evaluating Two Decades of Traumatic Amputations Treated in US Emergency Departments: A Multicenter Epidemiological Analysis from NEISS 2003-2022.*
47. Emily Gu, Sam Boroumand, Lioba Huelsboemer, Viola A. Stogener, Neil Parikh, Martin Kauke-Navarro, Bohdan Pomahac: *To Face Transplant or Not Face Transplant? An Evaluation of ChatGPT-4's Consideration of Ethical Themes.*
48. Kevin G. Hu, Mica Williams, Alexander Kammien, Joseph Canner, Thayer Mukherjee, Elspeth Hill, David Colen: *A Cost Comparison of Digital Nerve Repair Techniques.*
49. Kevin G. Hu, Alexander Kammien, Fortunay Diatta, Chin Siang Ong, Martin Kauke-Navarro, Jeremy Goss, David Colen: *Geographic Predictors of Distal Radius Fracture Outcomes: A Social Vulnerability Index Study.*
50. Kevin G. Hu, Jacqueline Ihnat, Neil Parikh, Alexander Kammien, Jean Carlo Rivera, Soraya Fereydooni, Paris Butler, Michael Alperovich: *The Impact of Missing Race and Ethnicity in a National Surgical Database.*
51. Jacqueline Ihnat, Kevin Hu, Neil Parikh, Omar Allam, Michael Alperovich: *Quantification of Cephalometric Changes in Gonial Angle Morphology Following Facial Feminization Surgery.*
52. Alexander Kammien, Fortunay Diatta, Lynn Zhao, David Colen: *Knotted Versus Knotless Techniques for Digital Flexor Tendon Repair: A Cadaveric Biomechanical Study.*



53. Adam Littleton, Sam Boroumand, Abidemi Aregbe, Lioba Huelsboemer, Viola Stogner, Kaitlyn Lewis, Martin Kauke-Navarro, Bohdan Pomahac: *Reading Between the Tabloids: An Objective Analysis of the Quality and Readability of Patient Encountered Online Material for Face Transplantation.*
54. Jennifer Rodriguez, Seungju Jackie Oh, Kevin Hu, Lina Elmansay, Paris D. Butler: *A Retrospective Comparison of Complications, Quality of Life, and Aesthetic Results in Oncoplastic Breast Reconstruction versus Breast Reduction for Benign Macromastia.*
55. Jennifer Rodriguez, David Uribe, Sam Boroumand, Ryleigh Johnson, Connor Peck, Marco Lazo Nuñez, Marc Walker, James Grant Thomson: *Enhancing Outcome Assessment in Global Surgical Missions: A Case Series of Pediatric Hand Reconstruction Missions in Peru.*
56. Jennifer Rodriguez, Sacha Hauc, David Febre Alemañy, Michael Alperovich: *Mapping Access to Certified Craniosynostosis Care Across the United States: A Geospatial Analysis of 2-Hour Accessibility.*
57. Devesh Malik, Sheryne Zeitoun, Emily Sirotych, Nofrat Schwartz: *Implementation and Assessment of a Medical American Sign Language (ASL) Workshop for Healthcare Students.*
58. Conrad Safranek, Christina Liu, Rhys Richmond, Trinithas Boyi, Ryan Rimmer, R. Peter Manes: *ChatGPT Automated Analysis Demonstrates Patterns of Undisclosed Industry Funding in Publications on Chronic Rhinosinusitis Biologics.*

#### Department of Therapeutic Radiology

59. Jem Atillasoy, Nicholas Economos, Peter Glazer: *Developing Precision Genome Editors: Peptide Nucleic Acids modulate CRISPR-Cas9 to treat Autosomal Dominant Disease.*
60. Nicholas G. M. Wells, Gabrielle W. Peters, Brian D. Kavanagh, Shane Lloyd, Joshua E. Meyer, Bradford A. Perez, Henry S. Park: *Comparison of Pathologic Outcomes Following Neoadjuvant Regimens in Resectable Locally Advanced Non-Small Cell Lung Cancer.*

#### Department of Urology

61. Shayan Smani, Vinaik Sundaresan, Soum D. Lokeshwar, Ankur U. Choksi, Michael S. Leapman: *Higher Targeted Compared to Template Gleason Score on Prostate Biopsy is Associated with Pathologic Downgrading Following Radical Prostatectomy.*
62. Vinaik M. Sundaresan, Lindsey Webb, Maximilian Rabil, Aleksandra Golos, Ryan Sutherland, Preston Sprenkle, Isaac Y. Kim, Michael S. Leapman: *Risks of Grade Reclassification Among Patients with Gleason Grade Group 1 Prostate Cancer and PI-RADS 5 Findings on Prostate MRI.*



## MD-MHS Students

63. Anita M. Jegarl, Jaime B. Hyman: *Superficial Cervical Plexus Block and Quality of Recovery after Thyroidectomy: Study Protocol and Enrollment Update*. Anesthesiology
64. Thomas Huang, Vimig Socrates, Aidan Gilson, Conrad Safranek, Ling Chi, Emily A. Wang, Lisa B. Puglisi, Cynthia Brandt, R. Andrew Taylor, Karen Wang: *Identifying Incarceration Status in the Electronic Health Record Using Natural Language Processing in Emergency Department Settings*. Emergency Medicine
65. Rachel Levinson, Navid Rahimi Larki, Janet Tate, Melissa Skanderson, Catherine Mezzacappa, Lesley Park, Ronald Hauser, Cynthia Brandt, Kevin Schuster, Gyanprakash Ketwaroo, Yu-Xiao Yang, Amy Justice, Louise Wang: *The Association of Hepatitis C Virus with the Risk of Pancreatic Cancer*. Internal Medicine
66. Darius Mostaghimi, Sameet Mehta, Jennifer Yoon, Priya Kosana, Christina Marra, Michael Corley, Shelli F. Farhadian: *DNA Methylation Profiles of CSF and Blood Immune Cells in Neurosyphilis before and after Treatment*. Internal Medicine
67. Michael J. Gouzoulis, Anthony E. Seddio, Sahir S. Jabbouri, Jeremy Ansah-Twum, Wesley Day, Daniel Rubio, Arya Varthi, Jonathan N. Grauer: *Posterior Lumbar Fusions are being Performed for Patients with Higher Revised Cardiac Risk Index (RCRI) Scores Over the Years - Adverse Events Need to be Considered*. Orthopaedics & Rehabilitation
68. Sam Boroumand, Aliyar Zahedi Vafa, Sydney Aquilina, Viola Stögner, Lioba Huelsboemer, Martin Kauke-Navarro, Bohdan Pomahac: *Quantitative Characterization of Facial Ptosis in Facial Transplantation-A Single Institution Analysis of Nine Face Transplant Patients*. Surgery

## MD-PhD Students

69. Daniel Jovin, Inamul Kabir, Daniel Greif: *Integrin β3 Influences CD47 Expression and Cell Identity in Vascular Smooth Muscle Cells*. Genetics

## Yale School of Nursing

70. Baram Kang, Sangchoon Jeon, Lindsie Boerger, Megan Piller, G. Oscar Anderson, Marilyn Fraser, Mohamed Boutjdir, S. Raquel Ramos: *The Mind-Body Connection: Perceptions of HIV Comorbidities and Associated Symptoms in Black and Latinx Sexual Minority Men Living with HIV*.

## Yale School of Public Health

71. Carla Isabel Borré, Barbara Luiza Araujo, Carlos Oliveira: *A Syndromic Surveillance Strategy for Respiratory Syncytial Virus Using Natural Language Processing*.



72. Shivani Dayal, Smrithi Prasad: *Role of Hormonal Contraceptive Use on Women's Social and Financial Decision-Making: A Multi-Study Investigation.*
73. Jun Jiang, Jieqiong Zhou, Yi Song, Krystal Pollitt: *Association of Greenspace with Overweight and Physical Activity in Children and Adolescents: A Systematic Review and Meta-Analysis.*
74. Megan Piller, Baram Kang, Oscar Anderson, Lindsie Boerger, S. Raquel Ramos: *Gaming for Good: Utilizing a Virtual Environment as a Vehicle for CVD Prevention Education in Sexual Minoritized Men of Color Living with HIV.*
75. Rachel Wang, Xiaomeng Zhang, Michaela Dinan: *Impact of Immune Checkpoint Inhibitors on Improving Suicide Rates Among Patients with Cancer.*



## Thank You

The Office of Student Research gratefully acknowledges the financial support of the following funding agencies, endowed student research fellowships, and gifts to student research.

National Institutes of Health

Stanley J. Sarnoff  
Endowment for  
Cardiovascular Research

American Society of  
Hematology

American Society of  
Nephrology

American Heart  
Association

Jill and Lee Goldman  
Resource Fund

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Paul H. Laviertes Student  
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Robert Malison, MD '87  
Student Research  
Fellowship

Richard Moggio Student  
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Marvin Moser Student  
Research Fellowship

The Herman H. and  
Sarah Zusman Student  
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The Lowe Fund for  
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Jack and Francine Levin,  
The Jack and Francine  
Levin Yale-at-MBL Student  
Research Fellowship

Michael Girardi MD and  
Nancy Girardi MD, Gift  
for Student Research

Ameya Kulkarni, MD '06  
and Aliya Jiwani, MPH '06,  
Social Justice Scholars  
Fund

Dr. Chinweike Ukomadu  
MD, PhD '93, Gift for  
Student Research

John N. Forrest, Jr., MD  
Resource Fund for  
Student Research



## Lee E. Farr Lectureship

1988 Arnold Relman, MD	2000 Harold Varmus, MD	2012 Jeffrey S. Flier, MD
1989 Arthur E. Rubenstein, MD	2001 Richard P. Lifton, MD, PhD	2013 Elizabeth G. Nabel, MD
1990 Anthony S. Fauci, MD	2002 Paul Greengard, PhD	2014 James Rothman, PhD
1991 Sidney Altman, MD	2003 Edward Benz, MD	2015 Brian Kobilka, MD
1992 Sydney Brenner, FRS	2004 Story C. Landis, PhD	2016 Nancy C. Andrews, MD, PhD
1993 Gerard N. Burrow, MD	2005 Arthur L. Horwich, MD	2017 Eric G. Neilson, MD
1994 Joseph L. Goldstein, MD	2006 Jeffrey M. Friedman, MD, PhD	2018 Laurie H. Glimcher, MD
1995 Francis S. Collins, MD, PhD	2007 Jack Elias, MD	2019 George Q. Daley, MD, PhD
1996 Patricia K. Donahoe, MD	2008 David G. Nathan, MD	2021 Helen Hobbs, MD
1997 Judah Folkman, MD	2009 Stuart H. Orkin, MD	2022 Rexford Ahima, MD
1998 Alfred G. Gilman, MD, PhD	2010 Lewis Landsberg, MD	2023 Neil Powe, MD, MPH, MBA
1999 Robert J. Lefkowitz, MD	2011 George Lister, MD	2024 Peter Aronson, MD

The Lee E. Farr, MD Endowed Lectureship was established at Yale School of Medicine in 1988 by Dr. Lee E. Farr. The purpose of this lectureship is “to stimulate thinking and to inspire students to strive to achieve more effective leadership and educational roles in society.”

Dr. Farr, Yale College '29, MD '33, was a preeminent physician who was the medical director and physician-in-chief of the hospital at Brookhaven National Laboratory on Long Island, New York, where he participated in the design of the world's first nuclear reactor built primarily for medical purposes. He was one of the original specialists in nuclear medicine and practiced and taught at various times in Delaware, New York, Texas, California, and Oregon. Dr. Farr served as a member of the Advisory Commission on Naval Medical Research and analyzed medical effects on atomic bomb victims as a member of the Advisory Commission on the Atomic Bomb, of which he was chairman from 1954 to 1968. He had received innumerable awards and honors and written many articles on nuclear medicine, nuclear reactors, protein metabolism, emergency medical services, and radioactive and chemical environmental contaminants.

The Farr Lectureship is held in memory of Lee E. Farr, MD, who died on July 16, 1997.



## **John N. Forrest, Jr., MD, Prize for Mentorship in Student Research**

2021 Silvia Vilarinho, MD, PhD

2022 Michael Leapman, MD, MHS

2023 Cassius Iyad Ochoa Charar, MD, MS, RPVI

2024 Shelli Farhadian, MD, PhD

The John N. Forrest, Jr., MD, Prize for Mentorship in Student Research was endowed at the Yale School of Medicine in 2020 by the Forrest family. The prize is awarded annually for exceptional mentoring by a faculty member in the area of medical student research.

John N. Forrest, Jr., MD, Emeritus Faculty, was instrumental in founding the YSM Office of Student Research in 1987 and led as its director for 33 years until his retirement in 2019. Dr. Forrest also initiated the inaugural Student Research Day in 1988, marking the beginning of a tradition that continues to thrive, now in its 36<sup>th</sup> year.

Dr. Forrest passed away on March 19, 2024, in New Haven. His efforts on behalf of medical student research and the MD thesis shaped the Yale system of general medical education as we know it today.





# Yale School of Medicine Departmental Thesis Chairs

## Department & Chairperson

Anesthesiology

Dr. Paul Heerdt

Biomedical Engineering

Dr. Fahmeed Hyder

Cell Biology

Dr. Peter Takizawa

Cellular & Molecular Physiology

Dr. Rachel Perry

Child Study Center

Dr. Andres Martin

Dermatology

Dr. Sean Christensen

Emergency Medicine

Dr. Fuad Abujarad

Genetics

Dr. Curt Scharfe

History of Medicine

Dr. Marco Ramos

Immunobiology

Dr. Kevan Herold

Internal Medicine

Drs. Lauren Ferrante & Shuta Ishibe

Laboratory Medicine

Dr. Alexa Siddon

Molecular Biophysics & Biochemistry

Dr. William Konigsberg

Neurology

Dr. Sourav Ghosh

Neuroscience

Dr. Michael Higley

Neurosurgery

Dr. Angeliki Louvi

Ob, Gyn & Reproductive Sciences

Drs. Seth Guller & Shannon Whirlledge

Ophthalmology & Visual Science

Dr. Ninani Kombo

Orthopaedics & Rehabilitation

Dr. Jonathan Grauer

Pathology

Dr. Samuel Katz

Pediatrics

Dr. Jeffrey Gruen

Pharmacology

Dr. Daryl Klein

Psychiatry

Dr. Marc Potenza

Radiology & Biomedical Imaging

Dr. David Madoff

School of Public Health

Dr. Elizabeth Claus

Surgery

Dr. Eric Schneider

Therapeutic Radiology

Dr. Sanjay Aneja

Urology

Dr. Angela Arlen



## Yale School of Medicine Office of Student Research

**Sarwat Chaudhry**, MD, Associate Dean of Student Research;  
Professor of Medicine (General Medicine)

**Erica L. Herzog**, MD, PhD, Associate Dean of Student Research; John Slade Ely  
Professor of Medicine (Pulmonary) And Pathology

**Alexandra Hajduk**, PhD, MPH, Deputy Director of Scientific Affairs, Office of  
Student Research; Research Scientist (Geriatrics)

**Sarah May**, Associate Director

**Donna Carranzo**, Associate Director

**Kelly Jo Carlson**, Senior Administrative Assistant

**Karen Angelicola**, Project Coordinator

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