

12TH ANNUAL YALE PEDIATRIC RESEARCH FORUM

Wednesday, May 15, 2024 • The Anlyan Center (TAC) • 300 Cedar Street

11:30 AM

TAC Lobby

Lunch

11:45-12:00 PM

TAC Auditorium

Opening Remarks

12:00-1:00 PM

TAC Auditorium

Keynote Speaker

Grover F. Powers, MD Memorial Lectureship

Phyllis A. Dennerly, MD, FAAP

Sylvia Kay Hassenfeld Professor of Pediatrics
Chair, Department of Pediatrics

Professor of Cell Biology, Molecular Biology and Biochemistry

Warren Alpert Medical School of Brown University

Pediatrician-in-Chief, Rhode Island Hospital

Medical Director, Hasbro Children's Hospital

"The Covenant of Pediatrics Research"

1:15-2:15 PM

TAC Auditorium

Plenary Scientific Session-Oral Presentations

1:15-1:30 PM

Madison Strine (Research)

Human Fetal and Neonatal T Cells Stimulate Intestinal Epithelial Growth

1:30-1:45PM

Sarah Hinderstein (Student)

Parental Perspectives and Decision Making on Nirsevimab Administration In Otherwise Healthy Newborns

1:45-2:00 PM

William Frantz (Resident)

Blockade of Discoidin Domain Receptor Signaling With Sitravatinib Reveals DDR2 as a Mediator of Neuroblastoma Pathogenesis and Metastasis

2:00-2:15 PM

Alexandru Firan (Fellow)

Patients with RASopathy Gene Variants Require Near Universal Surgical Reintervention Following Initial Transcatheter Balloon Pulmonary Valvuloplasty

2:15-4:30 PM

TAC Lobby

Scientific Poster Session and Reception



Poster Presentations:

Abstract #1 *Sophia Zhao*
NAPRT Silencing in Rhabdomyosarcoma Confers Therapeutic Vulnerabilities to NAD⁺ Depletion

Abstract #2 *Arielle Shibi Rosen*
Children's ED Provider Experiences with Lethal Means Counseling and Firearm Access for Patients with Behavioral Health Emergencies

Abstract #3 *Sanjiv Godse*
Parental Perspectives: Pediatric Asthma and The Health Impacts of Climate Change

Abstract #4 *Jacobo Bonet*
Modeling and Assessment of Glucose-Lactate Kinetics in Youth with Obesity and Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD): A Pilot Study

Abstract #5 *Christine Puthawala*
Characteristics Associated with Persistent Bloodstream Infection in Children

Abstract #6 *Ravindra Gudneppanavar*
Ezrin is Required to Maintain the Number and Function of Tissue-Resident Alveolar Macrophages in Cystic Fibrosis During Infection

Abstract #7 *Russell Himmelstein*
Improving Compliance of Transfer Reconciliation Completion

Abstract #8 *Alexandria Georgadarellis*
Get MAD: Managing Agitation with De-Escalation in the Pediatric Emergency Department

Abstract #9 *Hasan Halit Oez*
Phenotypic Characteristics of Pseudomonas Aeruginosa Isolates Determine Persistence of Airway Infections in CF-Like Mouse Models

Abstract #10 *Cassia Braga*
Chronic Lung Inflammation Skews Hematopoietic Stem and Progenitor Cells to Pathological Myelopoiesis and Causes Their Exhaustion in a CF Mouse Model

Abstract #11 *McKenzie Tuttle And Elyssa Dionne*
A Randomized Pilot Study for Standard - vs High -Calorie Feeding Comparison in Infants with Neonatal Opioid Withdrawal Syndrome Managed by the Eat, Sleep, Console Approach

Abstract #12 *Ermena Refugjati*
Biomarkers of Glycolysis and Tricarboxylic Acid Cycle (TCA Cycle) in Youth With and Without Obesity

Abstract #13 *Sarah Gungor*
Fetal Cardiac Deformation in Persistent Left-Sided Superior Vena Cava and Suspected Coarctation of the Aorta

Abstract #14 *Mona Clappier*
"A Double-Edged Sword": Influence of The 21st Century Cures Act on the Childhood Cancer Care Experience

Abstract #15 *Katie Prochowik*
A Thematic Analysis of Emergency Medicine Residents' Experiences with Child Maltreatment-Themed Simulation Cases

Abstract #16 *Madison Strine*
Human Fetal and Neonatal T Cells Stimulate Intestinal Epithelial Growth

Abstract #17 *William Frantz*
Blockade of Discoidin Domain Receptor Signaling With Sitravatinib Reveals DDR2 as a Mediator of Neuroblastoma Pathogenesis and Metastasis

Abstract #18 *Sarah Gungor*
Incidentally Detected Sub-Endocardial Gadolinium Enhancement in a Young Adult with Repaired Pulmonary Stenosis: A Digression From the Usual Course

Abstract #19 *Alexandru Firan*
Patients with RASopathy Gene Variants Require Near Universal Surgical Reintervention Following Initial Transcatheter Balloon Pulmonary Valvuloplasty

Abstract #20 *Cynthia Megyola*
Effect of Colonic Fermentation on Metabolism in Youth: Preliminary Analyses

Abstract #21 *Kanu Priya Singh*
Connecticut Middle School Students' Perceptions of the Legality of Underage Nicotine and Cannabis Use

Abstract #22 *Elizabeth Considine*
Recognizing Issues with Reproductive Counseling: Findings from a Tertiary Care Academic Center

Abstract #23 *Alexandra (Lexi) Dias*
Tackling Transition of Care of Young Adults with T1D: Preliminary Findings Based on the Type 1 Diabetes and Life Survey

Abstract #24 *June Criscione and Katelyn Wong*
A Novel Variant Associated with Complement Factor I Deficiency in Child of Consanguineous Parents

Abstract #25 *Josh Daniel*
Reducing Extraterine Growth Restriction in Infants <1500g with Early Human Milk Fortification: A Quality Improvement Study

Abstract #26 *Chelsea Young*
Introduction of Human Milk Fortifier and the Development of Neonatal Acute Kidney Injury

Abstract #27 *Alexis Cordone*
Preparing Emergency Medicine Trainees to Care for Patients who Present After a Sexual Assault

Abstract #28 *James Browne*
Investigating the Role Of Bromodomain-Containing B Isoforms in the Innate Immune Response of Human Airway Epithelial Cells

Abstract #29 *Elianny Lantigua Gulchardo*
Sepsis Huddles in the Pediatric Intensive Care Units

Abstract #30 *Tuba Kocak Kizilirmak*
CFTR Dysfunction Shapes Airway Immune Cell Compositions in CF Children and Driving Lung Pathogenesis

Abstract #31 *Lucille Kohlenberg And Joshua Hyman*
Exploring Caregiver Access to Preventative Healthcare in a Combined Medicine-Pediatrics Clinic

Abstract #32 *Maya Raad*
Platelet Investigations in a Child with FLNA Gene Variant

Abstract #33 *Zhu Yingdong*
CYR61/CCN1-Mediated Inflammation Affects Glucose Homeostasis

Abstract #34 *Giulio Fulgoni*
Oncostatin-M Signaling Drives Transcellular Capillary Leak in Critically Ill Children Via a STAT3- and API- Dependent Pathway

Abstract #35 *Sarah Householder*
The Use of Once-Daily LCP-Tacrolimus with Adolescent and Young Adult Solid Organ Transplant Recipients

Abstract #36 *Serrena Singh*
Distinguishing the Roles of Yap And Taz in Liver Reprogramming and Growth

Abstract #37 *Sofia Halperin-Goldstein*
Something's Fishy with The Feed: An Ige-Mediated Hypersensitivity Reaction to Human Milk

Abstract #38 *Jonathan Popham, Uma Raman, and Maya Raad*
Using Multidisciplinary Model to Integrate Checklist into Rounds in a Critical Care Setting

Abstract #39 *Carlos Hernandez-Castillo*
Feasibility of a Computerized Neurocognitive Rehabilitation Program as Part of Routine Survivorship Care

Abstract #40 *Amanda Quijano*
Shared Decision-Making: Knowledge, Attitudes, and Practice Amongst Pediatric Trainees

Abstract #41 *Camila Aparicio*
Comorbidities and the Risk of Critical COVID-19 in Children and Adolescents: A Systematic Review and Meta-Analysis

Abstract #42 *Christine Miller*
Post-Acute Sequelae of COVID-19 in Pediatric Patients within The United States: A Scoping Review

Abstract #43 *Sarah Hinderstein*
Parental Perspectives and Decision Making on Nirsevimab Administration In Otherwise Healthy Newborns

Abstract #44 *Abnash Garrison*
Delivery of CFTR mRNA Using Polymeric Nanoparticles in a Cystic Fibrosis Mouse Model

Abstract #45 *Wilhemina Koomson*
Identification and Analysis of Candidate Genes in Lissencephaly Using Trio-Based Whole-Exome Sequencing and Xenopus Tropicalis

Abstract #46 *Rucha Patki*
3D-DXA Reveals Dramatic Effects of Burosumab on Trabecular and Cortical Envelopes in Symptomatic Adults with X-Linked Hypophosphatemia

Abstract #47 *Elizabeth Ricci*
Investigating the Role of Cilia Genes in Hydrocephalus and Brain Patterning in Xenopus

Abstract #48 *Leah Pendl-Robinson*
Modeling Candidate Congenital Hydrocephalus Genes in Xenopus

Abstract #49 *Angeliki Gkafyllia*
Interrupting Pro-Inflammatory Pulmonary-Vascular Cell Interactions to Reduce Capillary Leak in Bronchiolitis

Abstract #50 *Zachary J. Kravetz*
New Aspects For The Brain In Hartnup Disease Based on Mining of High-Resolution Cellular mRNA Expression Data for SLC6A19

Abstract #51 *Snimarjot Kaur*
Title: Implementation of a Pediatric Emergency Care Coordinator Facilitated Curriculum in Community Emergency Departments

Abstract #52 *Zach Moymihan*
Functional Validation of Predictive Microcephaly Score in Xenopus Model System

Abstract #53 *Nicholas Diab*
An Ancient Cation Channel Affects Membrane Potential and Exit from Pluripotency During Gastrulation

Abstract #54 *Grace Wang*
Participant Engagement and Geographic Reach in a Virtual Versus In-Person Pediatric Intensive Lifestyle Intervention for Obesity

Abstract #55 *Rukiye (Sena) Turk Yilmaz*
An Infant with DHX37 Gene Variant- A Novel Etiology of 46XY DSD