



ANNUAL SOUTHEASTERN PEDIATRIC RESEARCH CONFERENCE

JUNE 11, 2021

[Search your email for your 'Magic Link' to access the event.](#)

Google Chrome or Mozilla Firefox only

Paradigm Changing Innovation & Promoting Health Equity

7:00 – 8:00 Speed Networking, Pediatric Core Booths & Scientific Posters

8:00 – 8:05 Introduction of Conference Co-Chairs

Clinton H. Joiner, MD, PhD

Professor and Vice Chair for Research, Department of Pediatrics
Emory University School of Medicine
Aflac Children's Chair for Hematology
Director, Section of Hematology
Aflac Cancer and Blood Disorders Center of Children's Healthcare of Atlanta

Conference Co-Chairs

Claudia R. Morris, MD, FAAP

Professor of Pediatrics and
Emergency Medicine
The Wilbur Fisk Glenn Jr.
Distinguished Faculty Chair
for Clinical & Translational Research
Research Director, Division of
Pediatric Emergency Medicine
Co-Director, Center for Clinical and
Translational Research
Emory University School of Medicine

Hee Cheol Cho, PhD

Urowsky-Sahr Scholar in Pediatric Bioengineering
Director of Heart Regeneration Program, The Heart Center at
Children's Healthcare of Atlanta
Associate Professor, Departments of Pediatrics and Biomedical
Engineering, Emory University and Georgia Institute of
Technology

8:05 – 8:20 Welcome from Leadership

Donna Hyland

Chief Executive Officer
Children's Healthcare of Atlanta

Vikas P. Sukhatme, MD, ScD

Robert W. Woodruff Professor of
Medicine
Dean, Emory University School of
Medicine
Chief Academic Officer, Emory
Healthcare

Chaouki T. Abdallah, PhD

Executive Vice President for
Research
Professor of Electrical &
Computer Engineering
Georgia Institute of Technology



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8:20 – 8:35 Research Landscape at Emory + Children’s

Lucky Jain, MD, MBA

George W. Brumley, Jr. Professor and Chair, Department of Pediatrics
Emory University School of Medicine
Chief Academic Officer, Children’s Healthcare of Atlanta

8:35 – 9:15 Nitric Oxide and Arginine Therapy

Lou Ignarro, PhD

Nobel Prize Recipient in Physiology or Medicine 1998
Professor Emeritus, University of California, Los Angeles
Professor, King Saud University

9:15 – 9:55 An Update on COVID-19 Vaccines:
A 15 Month Adventure to Move Vaccines from the Bench to the Clinic

Evan J. Anderson, MD

Professor of Pediatrics and Medicine
Associate Co-Director for the Emory T32 Vaccinology Training grant
Multiple PI of the Emory Vaccine Treatment and Evaluation Unit (VTEU)
Associate Division Chief for Clinical Research for the Pediatric Infectious Disease Division
Emory University School of Medicine

9:55 – 10:40 Break & Poster Session 1

10:40 – 11:20 When Food Causes Harm: The Impact of Food Allergy and its Treatment

Brian P. Vickery, MD

Associate Professor of Pediatrics
Emory University School of Medicine
Director, Food Allergy Center at Children’s Healthcare of Atlanta

11:20 – 11:40 Short Talks on Selected Abstracts

Cytokine Analysis in Cerebrospinal Fluid in Pediatric Anti-NMDA Receptor Autoimmune Encephalitis
Grace Gombolay, Robyn Howarth, and Laura Blackwell

The scRNA-seq Revealed Abundance of Inflammatory Macrophages and Reduction of B- and T-Cells in Treatment Naïve Pediatric Crohn’s Disease Patients

Sushma Chowdary Maddipatla, Vasantha Kolachala, Suresh Venkateswaran, Anne Dodd, Peng Qiu, Greg Gibson, Jason Matthews and Subra Kugathasan

Lunch

11:40 – 1:00

12:00 – 12:50: Career Assessment and Planning: The Path to Career Fit & Satisfaction

This seminar is appropriate for trainees at all stages, research mentors, and even staff scientists! Learn more about the elements of career assessment and planning, as well as the importance and limits and the benefits to both trainees & mentors. The workshop will include a panel with mentors Drs. Claudia Morris and Lou Ann Brown, and mentee Dr. Loretta Reyes, discussing their experience with academic career assessment and planning and the critical role of mentorship.



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1:00 – 1:10	Afternoon Welcome
	Yasmin Tyler-Hill, MD, FAAP Associate Professor and Chair of Clinical Pediatrics Morehouse School of Medicine Medical Director, Children’s Healthcare of Atlanta – Hughes Spalding
1:10 – 1:50	Cells and Their Byproducts for Duchenne Muscular Dystrophy: A New Therapeutic Paradigm
	Eduardo Marbán, MD, PhD Mark S. Siegel Family Foundation Distinguished Professor Executive Director, Smidt Heart Institute Cedars-Sinai Medical Center
1:50 – 2:20	Short Talks on Selected Abstracts
	Synthetic TBX18 mRNA Induces Durable Reprogramming of Cardiomyocytes to Pacemaker Cells David Wolfson, Nadine Zureick, Natasha Fernandez, Jared Beyersdorf, Christina Sheng, Sung Jin Park, Philip Santangelo, and Hee Cheol Cho
	Prognostic Indicators of Mortality in Children After Cardiac Arrest Using Non-invasive Diffuse Optics for Cerebral Hemodynamic Monitoring: Preliminary Insights Kyle Cowdrick, Kaitlin Jones, Nir Atlas, Zhou Fang, Seung Yup Lee, Eashani Sathialingam, Rowan Brothers, Amanda Liew, Michael Wolf, Jocelyn Grunwell, and Erin Buckley
	Sex- and Diagnosis-Based Divergences in Trajectories of Language Development in a Cohort of Autistic and Typically Developing Children Deniz Parmaksiz, Sanju Koirala, Stella Yuan, Elizabeth Kushner, Warren Jones, Sarah Shultz, Ami Klin, and Laura Edwards
2:20 – 3:05	Break & Poster Session 2
3:05 – 3:45	Designing & Conducting Child Health Research to Increase Health Equity
	Tumaini Rucker Coker, MD, MBA Associate Professor and Chief, Division of General Pediatrics, University of Washington Department of Pediatrics Director of Research, Center for Diversity & Health Equity, Seattle Children's Hospital Investigator, Center for Child Health, Behavior, & Development, Seattle Children's Research Institute Co-Director, UW Child Health Equity Research Fellowship
3:45 – 3:55	Presentation of Poster Awards
	Claudia R. Morris, MD, FAAP & Hee Cheol Cho, PhD
3:55 – 4:00	Closing Remarks
	Clinton H. Joiner, MD, PhD
4:00	Door Prize Drawing – Must be Present to Win!



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The Emory University School of Medicine designates this live activity for a maximum of 4.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Emory University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



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