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2020 Pediatric Research and Career Development Symposium

Tuesday, August 4, 2020
9:00 am – 4:15 pm

Program Guide

**Sponsored by the NICHD supported
Atlanta Pediatric Scholars Program, K12HD072245**

WELCOME

Dear Colleagues,

We would like to officially welcome you to our second Pediatric Research and Career Development Symposium!

Last year's inaugural event focused on the basic science research being conducted by our pediatric early career researchers. Based on your widespread interest, this year we expanded this early career scientist focused event to a full day with the morning focused on clinical research and the afternoon focused on basic science research. The middle of the day is punctuated by a keynote talk by our very own Ann Chahroudi, MD, PhD, who serves as inspiration to clinical and basic scientists alike.

Throughout the day you will get to hear oral presentations, poster blitz presentations, and will have the opportunity to visit Zoom rooms to talk to poster presenters about their work. As a sign of the times, this is all being done virtually, of course. We are excited to try this new virtual format and hope you will enjoy learning about the exciting clinical, basic and translational research being carried out by our emerging pediatric research talent at Emory and Children's Healthcare of Atlanta.

Sincerely,



Stacy Heilman, PhD

*Conference Chair
Assistant Professor, Emory University
School of Medicine
Director for Pediatric Research
Operations, Grants Education & Cores
Emory University Dept of Pediatrics &
Children's Healthcare of Atlanta*



Clinton Joiner, MD, PhD

*Conference Co-Chair
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and Blood Disorders Center/Children's
Healthcare of Atlanta
Professor of Pediatrics, Emory University
School of Medicine*

KEYNOTE SPEAKER



Ann Chahroudi, MD, PhD

Director, Center for Childhood Infections & Vaccines

Associate Division Chief for Basic/Translational Research, Division of Infectious Diseases

Associate Professor of Pediatrics, Division of Pediatric Infectious Diseases, Emory University School of Medicine

Director, Ponce Family & Youth Clinic, Infectious Diseases Program, Grady Health System

Dr. Chahroudi, has several appointments at the Emory University School of Medicine. Her primary academic appointments are Associate Division Chief for Basic/Translational Research, Division of Infectious Diseases; and Associate Professor, Pediatric Infectious Diseases. She is also Faculty in the Immunology and Molecular Pathogenesis Graduate Training Program, Emory-Laney Graduate School; and an Affiliate Scientist in the Division of Microbiology and Immunology at the Yerkes National Primate Research Center in Atlanta, GA. Dr. Chahroudi maintains administrative roles of Associate Director for Clinical Affairs, MD/PhD Program and Director, Emory + Children's Center for Infections & Vaccines (CCIV).

As a clinician, Dr. Chahroudi maintains appointments as a Consulting Physician, Pediatric Infectious Diseases, Children's Healthcare of Atlanta; Attending Physician, Ponce Family and Youth Clinic, Infectious Diseases Program, Grady Health System; and Medical Director, Ponce Family and Youth Clinic, Infectious Diseases Program, Grady Health System.

Dr. Chahroudi received her MD and PhD from Emory University School of Medicine and completed her general pediatrics residency at the Children's Hospital of Philadelphia. She returned to Emory for subspecialty fellowship training in Pediatric Infectious Diseases. Dr. Chahroudi's research focuses on finding a cure for HIV. Her lab aims to identify cellular and anatomic HIV/SIV reservoirs that represent the key obstacle(s) to an HIV cure, using nonhuman primate models to more completely assess the sources of viral persistence and test novel cure-directed interventions. Her laboratory is funded by the National Institutes of Health (NIH).

PROGRAM AGENDA

Time	Presentation
9:00 - 9:15 am	Welcome - Lucky Jain, MD, MBA; Clinton Joiner, MD, PhD; Stacy Heilman, PhD
Clinical Oral Presentations	
9:15 - 9:30 am	 Xu Ji, PhD, MSPH C1 - National Estimates of Substance Use, Substance Use Disorders, and Treatment among Adolescent and Young Adult Cancer Survivors
9:30 - 9:45 am	 Karli Okeson, DO C2 - The Adverse Childhood Experiences of Children Seen In Pediatric Emergency Departments: Common And Comparable to National and Local Data
9:45 - 10:35 am	Clinical Poster Session/BLITZ <i>12 Poster Presentations (3-minute presentations)</i>
10:35 - 10:50 am	BREAK
Clinical Oral Presentations (continued)	
10:50 - 11:05 am	 Meera Patrawala, MD C3 - Avoidant-Restrictive Food Intake Disorder (ARFID): A New Treatable Comorbidity Associated With Food Allergy?
11:05 - 11:20 am	 Christina Allen Rostad, MD C4 - Serology in Children With Multisystem Inflammatory Syndrome (MIS-C)
Clinical Poster Zoom Rooms <i>Grab your lunch and visit with poster presenters in virtual poster zoom rooms.</i> Click here to access abstracts and the Zoom link to each poster.	
11:20 am - 12:20 pm	<hr/> C5 - Achieving Wellness After Illness for Teens (AWAIT): An App-based Hope Intervention Karen Effinger, MD, MS PLEASE NOTE: Dr. Effinger will not be available for a Zoom Room visit. You may email her directly at Karen.effinger@emory.edu with questions about her study after the symposium.
C6 - Cobalamin Deficiency in Children With Sickle Cell Disease: An Unanticipated Risk for Use of Nitrous Oxide Gas Rachel Krieger, DO Visit Krieger Zoom Room	
C7 - Cerebral Effect of Blood Transfusion in Children With Sickle Cell Disease Seung Yup Lee, PhD Visit Lee Zoom Room	

Time	Presentation
11:20 am - 12:20 pm	<p>Clinical Poster Zoom Rooms <i>(continued)</i></p> <hr/> <p>C8 - Quantifying the Difference in Risk of Adverse Events by Induction Treatment Regimen in Pediatric Acute Lymphoblastic Leukemia Tamara Miller, MD, MS Visit Miller Zoom Room</p> <p>C9 - Evaluation of Changes in Use of Methadone and Benzodiazepines Following Implementation of an Analgosedation Protocol in the NICU Claudia Ocampo, MD Visit Ocampo Zoom Room</p> <p>C10 - Investigating the Contribution of Unique Risk and Protective Factors Associated With Health-related Quality of Life in Newly Diagnosed Pediatric Inflammatory Bowel Disease Bonney Reed, PhD Visit Reed Zoom Room</p> <p>C11 - The Role of Pre-Extubation Caffeine on Extubation Success in Preterm Infants Anand Salem, DO Visit Salem Zoom Room</p> <p>C12 - Racial and Socioeconomic Disparities in Non-Accidental Trauma Screening of Infants Presenting with Simple Skull Fractures Hayley Sooknarine, MD, FAAP Visit Sooknarine Zoom Room</p> <p>C13 - Impact of Gut Microbiome Changes on Hematopoietic Stem Cell Transplantation Outcomes in Children Mehgan Teherani, MD, FAAP Visit Teherani Zoom Room</p> <p>C14 - Use of a Novel Human Milk-Based Fortifier in Term Infants With Surgical Congenital Gastrointestinal Disorders Improves Growth at Discharge Sarah Tweddell, MD, MS Visit Tweddell Zoom Room</p> <p>C15 - Parent Psychological Distress and Chronic Pain in Pediatric Sickle Cell Disease Kerri Woodward, PhD Visit Woodward Zoom Room</p> <p>C16 - Development and Validation of the HIV Adolescent Readiness for Transition Scale (HARTS) in South Africa Brian Christopher Zanoni, MD, MPH Visit Zanoni Zoom Room</p>
12:20 - 12:30 pm	Clinical Oral Presentation and Poster PDF Winners Announced

Time	Presentation
	Keynote Presentation
12:30 - 1:30 pm	 <p>Ann Chahroudi, MD, PHD Director, Center for Childhood Infections & Vaccines Associate Division Chief for Basic/Translational Research, Division of Infectious Diseases Associate Professor of Pediatrics, Division of Pediatric Infectious Diseases, Department of Medicine, Emory University School of Medicine Director, Ponce Family & Youth Clinic, Infectious Diseases Program, Grady Health System</p> <p>“My Path as a Pediatric Physician Scientist: The Tortoise and the Hare”</p>
	Basic Science Oral Presentations
1:30 - 1:45 pm	 <p>Navdeep Jhita, MD B1 - IRF5 Drives Potentiated IFN-beta and IL-12 Production by Dendritic Cells in Response to Combinatorial CpG- and MPLA-Delivery on Microparticles</p>
1:45 - 2:00 pm	 <p>Veronica Obregon-Perko, PhD B2 - Reservoir Composition in a Rhesus Macaque Model of Pediatric HIV-1 Infection: Insights into Targets for Remission Strategies</p>
2:00 - 2:15 pm	BREAK
2:15- 2:45 pm	Basic Science Poster Session BLITZ <i>6 Poster Presentations (3-minute presentations)</i>
	Basic Science Oral Presentations <i>(continued)</i>
2:45 -3:00 pm	 <p>Kathryn Oliver, PhD B3 - Discovery of Specific Ribosomal Proteins as Investigational Therapeutic Targets for Cystic Fibrosis</p>
3:00 - 3:15 pm	 <p>Loretta Reyes, MD B4 - Arginine Dysregulation Correlates With Cardiac Remodeling in Mice With Chronic Kidney Disease</p>
3:15 - 4:00 pm	Basic Science Poster Zoom Rooms <i>Grab a snack and visit with poster presenters in virtual poster zoom rooms.</i> Click here to access abstracts and the Zoom link to each poster.
	<hr/> <p>B5 - A Patient-Specific 3D bioprinted Platform for <i>In Vitro</i> Disease Modeling and Treatment Planning in Pulmonary Vein Stenosis Holly Bauser-Heaton, MD, PhD Visit Bauser-Heaton Zoom Room</p>

Time	Presentation
3:15 - 4:00 pm	Basic Science Poster Zoom Rooms <i>(continued)</i>
	<hr/> <p>B6 - Epigenetic and Transcriptional Dynamics in Acute and Chronic Human Myeloid Inflammation Alexandre Cammarata-Mouchtouris, PhD Visit Cammarata-Mouchtouris Zoom Room</p>
	<p>B7 - Complement-mediated acute lung injury in sickle cell disease: Novel mechanisms and therapies Satheesh Chonat, MD Visit Chonat Zoom Room</p>
	<p>B8 - Bortezomib Significantly Enhances Gamma Delta T Cell-Mediated Lysis of Acute Myeloid Leukemia and T-cell Acute Lymphoblastic Leukemia Jamie Story, BS Visit Story Zoom Room</p>
	<p>B9 - Postexposure Prophylaxis to Mitigate the Neurodevelopmental Consequences of Postnatal Zika Virus Infection in Infant Rhesus Macaques Jessica Raper, PhD Visit Raper Zoom Room</p>
4:00 - 4:10 pm	Basic Science Oral Presentation and Poster PDF Winners Announced
4:10 - 4:15 pm	Wrap-up

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Wilbur Lam, MD, PhD
Saul Karpen, MD, PhD

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Barbara Kilbourne, RN, MPH
Karol Flowers
Kimberly Haughton



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THANK YOU

Thanks to every one of our presenters, attendees, and partners who made this year's innovative event a truly special one!

Please take about five minutes to complete our [Feedback Survey](#). We look forward to your input.



We'll see you next year!