

# Southeastern Pediatric Research Conference

## June 3, 2022

### SPECIAL COVID-19 POLICY AND REQUIREMENTS

#### **Our Shared Commitment**

The Southeastern Pediatric Research Conference co-chairs share with all attendees, speakers, and staff a commitment to and responsibility for a safe and healthy environment for all event participants. As we pursue this commitment, we are grateful for the community's deep knowledge of the risks posed by COVID-19 and full support for safety procedures we are implementing to reduce potential virus spread. Thank you for your kind consideration of the comfort and preferences of your fellow conference attendees.

The following safety and preventative measures take into consideration guidance from federal, state, and local public health authorities. Even as we implement these measures, please be aware that we cannot fully eliminate all risks to event participants or fully guarantee safety from COVID-19. Ultimately, as a 2022 Southeastern Pediatric Research Conference participant, you are responsible for your own safety. Please recognize that this is a fluid situation, and our safety procedures may change. We will update you as needed via the conference website, emails, and other communication channels. Thank you for understanding.

#### **COVID-19 Safety Procedures:**

##### ***Face Coverings:***

All attendees are required to wear a mask at all times at all indoor functions except while eating or drinking. Masks must cover both the nose and the mouth. Surgical or N95 masks are recommended.

##### ***Vaccines:***

All in-person attendees are required to be fully vaccinated (defined as >14 days since the completion of a primary COVID-19 vaccine series). **By attending the annual meeting in person, attendees attest that they are fully vaccinated for COVID-19.** If you are not fully vaccinated, you may contact us for a refund.

##### ***Symptoms and illness recovery:***

Please do not attend if you:

- have or develop any symptoms consistent with an illness within 24 hours of the conference.
- are recovering from an illness or subject to isolation until after you have exceeded your isolation period and have been symptom-free for 24 hours without the use of symptom-relieving medications.
- feel unwell, are awaiting COVID-19 test results, believe you have been exposed, or are unable to participate safely.

***Physical Distancing:*** Please be mindful of physical distancing when interacting with other attendees. Seating in the meeting venue will allow for physical distancing.



# 11th Annual Southeastern Pediatric Research Conference Agenda

**7:00am - 8:00am**

Registration and Continental Breakfast

**8:00am - 8:05am**

Opening Remarks by Co-Chairs

**Sam Brown, PhD**

Professor & Director of the Center for Microbial Dynamics and Infection  
Georgia Tech

**Lilly Immergluck, MD, MS, FAAP**

Professor, Morehouse School of Medicine  
Director, Pediatric Clinical & Translational Research Unit, Clinical Research Center,  
Morehouse School of Medicine  
Associate Professor-Adjunct, Emory University, Rollins School of Public Health, Department  
of Epidemiology  
Pediatric Infectious Disease Specialist and Urgent Care Physician, Children's Healthcare of  
Atlanta  
Principal Investigator, Morehouse School of Medicine's Site, US COVID-19 Prevention  
Network

**Brian Vickery, MD**

Associate Professor of Pediatrics  
Marcus Professor of Pediatric Immunology  
Chief, Division of Allergy/Immunology at Emory University & Children's Healthcare of Atlanta  
Director, Food Allergy Center at Emory+Children's, a FARE Clinical Research Center of  
Distinction

**8:05am - 8:15am**

Welcome from Leadership

**Donna Hyland**

President and Chief Executive Officer, Children's Healthcare of Atlanta

**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

**8:15am - 8:25am**

State of the Institute

**Clinton H. Joiner, MD, PhD**

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

**8:25am - 8:35am**

Introduction of the Inaugural Peterson Professorship Recipients

**Nicoleta Serban, PhD**

Peterson Professor of Pediatric Research  
School of Industrial and Systems Engineering  
Georgia Tech

**Jaydev P. Desai, FIEEE, FAIMBE, FASME**

Peterson Professor of Pediatric Research; Wallace H. Coulter  
Department of Biomedical Engineering; Georgia Tech  
Director, Georgia Center for Medical Robotics & Associate  
Director - Institute for Robotics and Intelligent Machines (IRIM)

**8:35am - 9:15am**

Housing Discrimination and Asthma Disparities

**Elizabeth Matsui, MD, MHS**

Professor, Department of Population Health  
Associate Director, Health Transformation Research Institute  
Director, Center for Health & Environment: Education & Research  
University of Texas, Austin

**9:15am - 9:35am**

Placental Origins of Health and Disease

**Carmen Marsit, PhD**

Associate Dean for Research  
Rollins Distinguished Professor of Research  
Professor of Environmental Health and Epidemiology  
Rollins School of Public Health, Emory University

**9:35am - 10:20am**

Break & Poster Session (*voting begins*)

**10:20am - 10:40am**

Metabolomics - A Discovery-based Approach in the Infection Relevant Environment

**Neha Garg, PhD**

Assistant Professor  
School of Chemistry and Biochemistry  
Georgia Tech

**10:40am - 11:20am**

Short Talks on Selected Abstracts

**10:40am - 10:50am: Adeola Michael, PhD**

- *Chronic Inflammation Promotes Hepatic Liver Injury in a Humanized Mouse Model of Sickle Cell Disease*

**10:50am - 11:00am: Antonio Rampoldi, PhD (presenting on behalf of Parvin Forghani, PhD)**

- *Enhanced Maturation of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Under Simulated Microgravity*

**11:00am - 11:10am: Murugadas Anbazhagan, PhD**

- *Mucosal Biopsy Derived Mesenchymal Stromal Cells Display Fitness and Functionality to Use as Autologous Cellular Pharmaceuticals for Inflammatory Bowel Disease (IBD)*

**11:10am - 11:20am: Sharon Vijayanand, B. Pharm**

- *Two Birds, One Stone: Pain-free Dissolving Microneedles to Protect against COVID-19 and Influenza*

**11:20am - 12:50pm**

Networking Lunch and Poster Viewing

**12:50pm - 1:00pm**

Afternoon Welcome

**1:00pm - 1:40pm**

Microbes, Maturation and Health

**Grace Aldrovandi, MD, CM**

Chief of the Division of Infectious Diseases at UCLA Mattel Children's Hospital  
Professor of Pediatrics at the David Geffen School of Medicine  
University of California, Los Angeles

**1:40pm - 2:20pm**

Short Talks on Selected Abstracts

**1:40pm - 1:50pm: Deepak Kumar, PhD**

- *mTOR Inhibition Attenuates cTfh Cell Dysregulation and Chronic T cell Activation in Evans Syndrome*

**1:50pm - 2:00pm: Brooke Schirmer, BS**

- *Social Visual Engagement Measures of Implicit Social Attribution in Children with and without Autism Spectrum Disorder*

**2:00pm - 2:10pm: Jessica Pierce, PhD**

- *The Microbiome Contributes to Endochondral Heterotopic Ossification in FOP Mice by Regulating Innate Immune Cell Recruitment and Polarization*

**2:10pm - 2:20pm: Elizabeth Kennedy, PhD**

- *Placental MicroRNAs Associated with Pre-pregnancy BMI Link Placental Function and Early Childhood Growth*

**2:20pm - 3:05pm**

Break & Poster Session (*voting ends*)

**3:05pm - 3:25pm**

What You Sense is How You Grow: Sensory Neural Underpinnings of Preterm Infant Development

**Nathalie Maitre, MD, PhD**

Director of Early Development and Cerebral Palsy Research  
Division of Neonatology, Department of Pediatrics  
Emory University School of Medicine  
Children's Healthcare of Atlanta

**3:25pm - 3:55pm**

The Lasting Effects of Early Adversity on Brain and Behavior: Lessons from the Bucharest Study

**Nathan Fox, PhD**

Distinguished University Professor  
University of Maryland

**4:05pm - 4:10pm**

Presentation of Poster Awards

**4:10pm - 4:15pm**

Closing Remarks

**4:15pm - 5:00pm**

Reception with Raffle Drawing at 5:00pm (*must be present to win*)

**5:00pm - 8:00pm**

Complimentary Aquarium Admission for Conference Attendees

## CME Credits

The Emory University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians. The Emory University School of Medicine designates this live activity for a **maximum of 3 AMA PRA Category 1 Credit(s)**<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



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# 2022 Posters

Poster number	Institute	Abstract submitter (PI)	Abstract title	Authors
1	Georgia State University	Kautiainen, Ms. Rella	A Case Study: Trajectory of Neurocognitive Recovery for an Adolescent Patient diagnosed with a Subdural Empyema during Inpatient Rehabilitation	Kautiainen, Rella and Howarth, Robyn
2	Emory University	Alder, Dr. Megan	A Feasibility Study of Nutritional Status and Bone Health in Young Boys with Autism Spectrum Disorder and Food Selectivity	Alder, Megan; Loechner, Karen; Berry, Rashelle; Burrell, Lindsey; Gillespie, Scott; Scallih, Lawrence; and Sharp, William
3	Emory University	Rudrabhatla, Ms. Asha	A Mixed-Method Approach to Understanding Perceived Barriers to Engagement and Sociocultural Adaptations to an Evidence-Based Parent-Mediated Intervention: Clinician and Family Perspectives	Rudrabhatla, Asha; Brane, Natalie; Greenfield, Elizabeth; Guerra, Karen; Hendrix, Nicole; and Pickard, Katherine
4	Emory University	He, Dr. Zhulin	A Novel Causal Inference Method for Estimating Intervention Effect in Clinical Trials and Observational Studies with Clustered Data	He, Zhulin; Bai, Shasha
5	Emory University	Ragunandan, Dr. Sharmila	Abatacept For The Prevention Of Acute GVHD In Pediatric Patients Receiving 7/8 HLA-Mismatched Unrelated Transplant For Hematologic Malignancies	Ragunandan, Sharmila; Gorfinkel, Lev; Bratrude, Brandt; Belz, Kayla; Suessmuth, Yvonne; Gillespie, Scott; Westbrook, Adriana; Williams, Kirsten M; Schoettler, Michelle; Langston, Amelia, Kean, Leslie; Qayed, Muna; Horan, John; and Watkins, Ben
6	Emory University	Dilly, Prof. Laura	ACE Screening Pilot for Children Clinically Referred for Neurodevelopmental Disorders	Shivar, Avaclaire Goggans; Owen, Jessica; Dilly, Laura
7	Emory University	Hohl, Mr. Michael	Activin A Expression by PDFGR $\alpha$ -Positive Fibroadipocytic Progenitors (FAPs) is Necessary for Endochondral Heterotopic Ossification in Fibrodysplasia Ossificans Progressiva (FOP) Mice	Hohl, Michael; Elkins, Cody; Lyu, Hui; and Perrien, Daniel
8	Emory University	Perez, Ms. Maria	An RSV live-attenuated vaccine candidate lacking G protein mucin domains is highly attenuated, immunogenic, and effective in RSV prevention in BALB/c mice	Perez, Maria A.; Roe, Molly; Hsiao, Hui-Mien; Lapp, Stacey A.; Sun, He-Ying; Jadhao, Samadhan; Young, Audrey; Batista, Yara; Anderson, Evan J.; Anderson, Larry J.; Stobart, Christopher C.; and Rostad, Christina A.
9	Emory University	Sanghi, Dr. Avni	Anti-Myelin Oligodendrocyte Glycoprotein (MOG) antibody disease in a pediatric patient presenting with tumefactive lesion	Sanghi, Avni
10	Emory University	Vickery, Dr. Brian	Assessing Caregiver Acceptability and Perceived Barriers to Peanut Oral Immunotherapy (OIT)	Tison, Katherine L; Estrem, Hayley H; Thompson, Kelcey L; and Vickery, Brian P.
11	Emory University	Batsuli, Dr. Glavvy	Assessment of Abnormal Coagulation Testing in Pediatric Patients with Sickle Cell Disease	Srivaths, Keshav; Wechsler, Julie; Zimowski, Karen; Lai, Kristina; Brown, Megan; Yee, Marianne; and Batsuli, Glavvy
12	Emory University	Moraczewski, Dr. Jason	Assessment of the Humoral and Cellular Immune Function in Carriers of CD40L Deficiency	Moraczewski, Jason; Chandra, Sharat; Prince, Chengyu; Kobrynski, Lisa; Lucas, Laura; Patel, Kiran; Walter, Jolan; Buckley, Rebecca; Meisel, Roland; Ghosh, Sujal; Parikh, Suhag; and Chandrakasan, Shanmuganathan
13	Children's Healthcare of Atlanta	DeGroot, Mr. Nicholas	Association of Timing of Pediatric Palliative Care Outpatient Consultation with End-of-Life Outcomes in Children with Cancer	Lee, Annika, DeGroot, Nicholas, and Brock, Katharine
14	Emory University	Nguyen, Dr. Thinh	B-cell driven autoimmunity in patients with genetically defined autoinflammatory disorders	Nguyen, Thinh; Kumar, Deepak; Prince, Chengyu; Yungblood, Laura; Chandrakasan, Shanmuganathan
15	Emory University	Ford, Ms. Aiden	Behavioral dynamics of infant-caregiver interactions in the first 6 months of life are altered by infant sex and autism outcome	Brice, Beyonce & Patel, Hely; Ford, Aiden; Wallum, Hasse; Kunnikuru, Sanjana; Klin, Ami; Jones, Warren; Berman, Gordon; and Shultz, Sarah
16	Emory University	Welsh, Dr. Jean A.	Brief Training in Motivational Interviewing for Pediatric Primary Care Providers: Impact on Weight-Related Counseling Practices	Welsh, Jean; Lange, Samantha; Figueroa, Janet; Gooding, Holly; Walsh Stephanie; Cheung, Patricia
17	Children's Healthcare of Atlanta	Montague, Ms. Kyleigh	Caregiver Preference for Behavioral Interventions	Montague, Kyleigh; Pendergrass, Janae; Palmer, Kimberly; Williams, Catherine; Slocum-Freeman, Sarah; Nuhu, Nadrat
18	Emory University	Edmier, Ms. Kathleen	Case Study of a Young Child Receiving Treatment in an Applied Behavior Analysis Clinic with Dual Diagnoses of Deaf/Hard of Hearing (DHH) and Autism Spectrum Disorder (ASD)	Edmier, Kathleen; Kazez, Amanda; and Yosick, Rachel
19	Emory University	Maddipati, Ms. Sushma Chowdry	Cellular and Transcriptional Diversity Amongst Crohn's Disease Groups by Single Cell Transcriptomics	Maddipati, Sushma Chowdry; Kolachala, Vasantha; Venkateswaran, Suresh; Peila, Ranjit Singh; Dodd, Ann; Ambazhagan, Murgadas; Geem, Duke; Yin Hong; Sun Yulong; Xu Congmin; Mo Angela; Yang Junkai; Kosters Astrid; Matthews Jason D; Ghosh Eliver; Kugathanan, Subra and Qiu, Peng
20	Georgia Tech	Washburn, Ms. Savannah	Cellular Landscape of the Small and Large Intestine in Pediatric Crohn's Disease	Washburn, Savannah; Kolachala, Vasantha; Maddipati, Sushma Chowdry; Kugathanan, Subra; Qiu, Peng; and Gibson, Gregory
21	Emory University	Izuno-Garcia, Ms. Amy	Characteristics of Waitlist Services for Pediatric Autism Evaluations	Izuno-Garcia, Amy; Owen, Jessica; Klaiman, Cheryl; and White, Stormi
22	Emory University	McQueen, Ms. Emma	Clinician Certainty in the Diagnosis of Toddlers with Autism Spectrum Disorder: Community-Referral vs. Siblings with Family Risk	McQueen, Emma; Walum, Hasse; Klin, Ami; Jones, Warren; White, Stormi; and Klaiman, Cheryl
23	Emory University	Nawaz, Dr. Safia	Coding for Indoor Environmental Exposures in Pediatric Patients With Respiratory Allergies: A Quality Improvement Project	Nawaz, Safia F.
24	Emory University	Kelvin, Mr. James	Combination Nanomedicines Mediate Synergistic Cell Killing in Childhood Blood Cancer Models	Kelvin, James M; Chimentil, Madison L; Birnbaum, Lacey; Du, Yuhong; Graham, Douglas K; DeRyckere, Deborah; Dredgen, Erik C; Bakhtari Mojtaba; Krishnan Upaasana; Baxter Traven A.; Thomas Beena E.; Patton Jonathan C.; Castellino Sharon M.; DeRyckere Deborah; and Bhasin Swati S.
25	Emory University	Bhasin, Dr. Swati	Comparative Single Cell Transcriptome Analysis Of The Bone Marrow Landscape In A Patient-Derived T-ALL Xenograft Model And Corresponding Pediatric Patient Sample	Bhasin, Swati S.
26	Children's Healthcare of Atlanta	Myers, Ms. Hannah	Comparing plasma biomarker profiles in complicated versus uncomplicated mild TBI in children	Myers, Hannah; Reiser, Andrew; and Blackwell, Laura
27	Children's Healthcare of Atlanta	DeGroot, Mr. Nicholas	Complications By Central Line Type During Induction Chemotherapy For Acute Lymphoblastic Leukemia	DeGroot, Nicholas; Joshi, Vivek; West, Zachary; Bathina, Neil; Castellino, Sharon; and Miller, Tamara
28	Emory University	Hellen, Mr. Dominick	Conditional deletion of liver Pkd11: a mouse model of biliary atresia	Hellen, Dominick J.; Bennett, Ashley; Mallia, Sudarshan; Klindt, Carolyn; Rao, Anuradha; Dawson, Paul; and Karpen, Saul J.
29	Emory University	Fain, Dr. Mary Ellen	Congenital Central Hypoventilation Syndrome: Diagnosis and Long-term Ventilatory Outcomes	Fain, Mary Ellen; and Kasi, Ajay S.
30	Mercer University	Liming, Ms. Kathleen	COVID-19—Does Parental Worry Influence Child's Perceived Threat and Precaution Practices?	Liming, Kathleen; Bruckner, Alayna; Marker, Craig; and Stillman, Mark
31	Mercer University	Shah, Mr. Sarthak	Developing Orally Dissolving Films (ODFs) For Children Using An Ionic Liquid	Shah, Sarthak; Lince, Paula; and Uddin, Mohammad
32	Emory University	Lulkin, Ms. Nicole	Development and Evaluation of a SARS-CoV-2 Papain-Like-Protease Luciferase Complementation Vector for Novel Papain-Like-Protease Antiviral Compound Screening	Lulkin, Nicole; Tedbury, Philip; Lan, Shuiyun; and Sarafianos, Stefan
33	Emory University	Foye, Ms. Catherine	Discovery of Novel Epistatic Interactions that Influence CFTR Folding Trajectory	Foye, Catherine; Mao, Yiyang; Icyuz, Mert; Santos, Sean; Rab, Andras; Hong, Jeong S.; Sorscher, Eric J.; Hartman IV, John L.; and Oliver, Kathryn E.
34	Children's Healthcare of Atlanta	Biagioni, Ms. Jenny	Early Mobilization in a Pediatric Intensive Care Unit and WeeFIM Scores at Rehabilitation: A Retrospective Study	Biagioni, Jenny; Easley, Tricia; Vova, Joshua; DeAlmeida, Mary; Graessle, Shelby; Fujimoto, Akane; and Neilson, Jennifer
35	Emory University	Gee, Dr. Beatrice	Effectiveness of Crizanlizumab (Adakveo) on Hospital-treated Pain in Adolescents with Sickle Cell Disease	Gee, Beatrice; Dang, Britney; Ogbonnyaya, Ezinne; Nguyen, Veronica; Erisman, Joshua
36	Emory University	Barbian, Dr. Maria	Effects of Antenatal Butyrate Supplementation on a Murine Model of Neonatal Intestinal Injury	Barbian, Maria; Naudin, Crystal; Patel, Ravi; Denning, Patricia; and Jones, Rheinallt
37	Emory University	Zhang, Dr. Xiaodong	Effects of Huntington's disease mutation on corpus callosum maturation: A longitudinal diffusion MRI study of transgenic monkey model	Xiaodong Zhang; Yuguang Meng; Chun-Xia Li
38	Emory University	Manda, Mr. Abhiram	Emergent and Urgent Care of Refugee Children in the Pediatric Emergency Department	Manda, Abhiram; Bhatt, Rishab; Yu, Joanna; Pattee, Jamie; Mei, Yiyang; Hassan, Saria; Murray, Brittany; Zamor, Ronnie
39	Emory University	Cammarata-Mouchtouris, Dr. Alexandre	Epigenetic Regulation of Lung-recruited Pathological Neutrophils in Cystic Fibrosis	Cammarata-Mouchtouris, Alexandre; Moncada Giraldo, Diego; Collins, Genoa H. L.; Chandler, Joshua D. and Tirouvanziam, Rabinra
40	Emory University	Pickard, Dr. Katherine	Examining the balance of fidelity and family-centered care within a parent-mediated intervention for autism delivered in a state-funded Early Intervention system	Pickard, Katherine; Hendrix, Nicole; Stapel-Wax, Jennifer; Guerra, Karen; Bond, Naima; and Kaiser, Eileen
41	Emory University	Mendez, Ms. Adriana	Examining the Feasibility and Clinical Utility of the EHCI Diagnostic Odyssey Interview for Spanish-Speaking Families of Children with ASD	Mendez, Adriana; Klin, Ami; Pickard, Katherine
42	Emory University	Bender, Ms. Julean	Feasibility of Early Interventionists Implementing a Parent-Mediated Intervention: A Randomized-Controlled Trial in Autism Treatment	Bender, Julean; Rock, Chelsea; Kaiser, Eileen; Bond, Naima; and Stapel-Wax, Jennifer
43	Emory University	Grell, Dr. Robert	Feasibility of the Virtual Reality (VR)-based Pediatric Display Enhanced Testing for Concussion and mild Traumatic Brain Injury (PeDETECT) tool in the pediatric emergency department (ED)	Grell, Robert; LaPlaca, Michelle; Wright, David W; Reiser, Andrew; Blackwell, Laura; Yu, Austin; Hurley, Dylan; Murthy, Naina; Kulkarni, Megha; Santos, Justin; Sarnaik, Avnee; Waldon, Emma; Zafar, Farzina; Nsofor, Maureen; Bush, Patricia; Simon, Harold K. Morris, Claudia R.
44	Children's Healthcare of Atlanta	del Valle Martínez, Ms. Eva	Follow-up visit attendance in children following a traumatic brain injury	del Valle Martínez, Eva; Reiser, Andrew; and Blackwell, Laura
45	Mercer University	Harrod, Ms. Hayley	Formulation and Ex Vivo Permeability of Diphenhydramine Orally Dissolving Films (ODFs) for Buccal Drug Delivery	Harrod, Hayley; Shah, Sarthak; Vu, Tiffany; Uddin, Mohammad N.
46	Emory University	Cao, Dr. Dongdong	Functional analysis of the Respiratory Syncytial Virus RNA Polymerase	Cao, Dongdong; and Liang, Bo.
47	Georgia Tech	Thomas, Ms. Annabelle	Gender and Age Differences in Recovery Trajectories Following Pediatric Concussion	Thomas, Annabelle; Reiser, Andrew; and Blackwell, Laura
48	Emory University	Rampoldi, Dr. Antonio	High-throughput System for the Evaluation of Compounds Rescuing Cardiomyocytes from Ethanol Toxicity	Rampoldi, Antonio; Li, Dong; Qui, Min; Fu, Haiyan; Du, Yuhong and Xu, Chunhui
49	Emory University	Nicholson, Mr. Chris	Impact of Co-occurring Gestures on Social Visual Engagement to Caregivers in Infants with and without Autism Spectrum Disorder	Nicholson, Chris; Fram, Noah; Sahoo, Manash; Hines-Wilson, Mackenzie; Klin, Ami; Jones, Warren; Lense, Miriam; Edwards, Laura
50	Emory University	Shanmugam, Mr. Akash	Impact of OSA Treatment Success on Changes in Hypertension and Obesity: A Retrospective Cohort Study	Shanmugam, Akash; and Rao, Nikhila
51	Children's Healthcare of Atlanta	Mulugeta, Ms. Makda	Implications of Race and Socioeconomic Status on Pediatric Traumatic Brain Injury Severity and Outcome	Mulugeta, Makda; Reiser, Andrew; Sayeed, Iqbal; and Blackwell, Laura

52	None (e.g. CHOA only)	Appert, Mr. Andrew	Improving Identification of Injury in Children following Abusive Head Trauma	Appert, Andrew; Sayeed, Iqbal; Reisner, Andrew; and Blackwell, Laura S.
53	Georgia State University	Harder, Ms. Hannah	Increased Fever Response to LPS in Male and Female Rats Perigestationally Exposed to Morphine	Harder, Hannah; Searles, Christopher; Gomez, Morgan; Vogt, Meghan; and Murphy, Anne Z.
54	Emory University	Kunhiraman, Dr. Haritha	Increased Level of IGFBP2 promotes Tumor Metastasis in SHH Medulloblastoma	Kunhiraman, Haritha; McSwain, Leon; Kenney, Anna
55	Emory University	Li, Ms. Grace	Factors Influencing Breastmilk Expression for Infants Admitted to an Urban Tertiary Neonatal Intensive Care Unit	Li, Grace; Leon-Hernandez, Angela; Barbian, Maria;
56	Emory University	Azer, Dr. Sally	Introducing a Biophysical Platelet Function Panel to Investigate Bleeding of Unknown Cause	Azer, Sally; Oshinowo, Oluwamayokun; Fay, Meredith; Sakurai, Yumiko; Olu, Yongzhi; Bennett, Carolyn; Meeks, Shannon; Brown, Megan; Myers, David; and Lam, Wilbur
57	Emory University	Randunne, Ms. Amanda	Investigating the In Vitro Properties of Intestinal Biopsy Derived Mesenchymal Stromal Cells from IBD Patients	Randunne, Amanda; Anbazhagan, Murugadas; Matthews, Jason; Kugathasan, Subra
58	Mercer University	Owens, Ms. Ronnise	Language Networks in a Patient with Symptomatic Infantile Spasms Following a Perinatal Right MCA Stroke	Owens, Ronnise; Cernokov, Ivana; Bearden, Donald; Ono, Kim
59	Emory University	Brasher, Dr. Susan	Leveraging Implementation Science to Evaluate Ways to Enhance Early Language Environments of Infants in the Neonatal Care Unit	Brasher, Susan; Nelson, Jennifer; Becklenberg, Amy; Stapel-Wax, Jennifer; Osmani, LaToya
60	Georgia State University	Hernandez, Ms. Leslie	Longitudinal analyses of psychosocial outcomes and the relation with access to services in congenital heart disease	Hernandez, Leslie; Ilardi, Dawn
61	Georgia Tech	McAvoy, Mr. Andrew	MAS-SILAC Reveals Homogentisic Acid as an Intermediate in Natural Product Biosynthesis	McAvoy, Andrew; Yang, Yingzhe; Threatat, Paxton; and Garg, Neha
62	Emory University	Hurley, Mr. Dylan	Medically Unnecessary & Unethical: Venipuncture for Behavioral Disturbance in Patients with Autism Spectrum Disorder (ASD) Presenting to the Pediatric Emergency Department (ED)	Hurley, Dylan; Pavlov, Alexis; Pattishall, Amy; Bush, Patricia; Call, Nathan; and Morris, Claudia
63	Emory University	Heaton, Ms. Elizabeth	Melanocortin-4 receptor control of striatal-dependent action selection	Heaton, Elizabeth; and Gourley, Shannon
64	Emory University	Mills, Dr. Marcos	Mitral Valve Replacement with the 15 mm St Jude Valve: A Single Center Review	Mills, Marcos; Maher, Kevin; and John, Mohan
65	Mercer University	Bagwe, Ms. Priyal	Mucosal Immunization against Gonorrhea induces Immunity in Mice	Bagwe, Priyal; Zughair, Susu; and D'Souza, Martin
66	Children's Healthcare of Atlanta	Kim, Mr. Jason	Multiligament Knee Reconstruction in Adolescents: Outcomes of Single Stage Anatomic Reconstruction	Willimon, S. Clifton; Kim, Jason; Busch, Michael; and Perkins, Crystal
67	Mercer University	Vijayanand, Ms. Sharon	Nasal Drops and Buccal Films for Vaccination against COVID-19	Vijayanand, Sharon; Patil, Smital; Joshi, Devyani; and D'Souza, Martin J.
68	CHOA	Maddox, Ms. Sarah	Neurodevelopmental Profile of a Pediatric Patient with Landau-Kleffner Syndrome	Maddox, Sarah; Bearden, DJ
69	Children's Healthcare of Atlanta	del Valle Martínez, Ms. Eva	Neurodevelopmental Profile of a Pediatric Patient with Variants of Unknown Significance in COL12A1, PGM1 and RYR1	del Valle Martínez, Eva; and Bearden, Donald
70	Children's Healthcare of Atlanta	Kramer, Ms. Keri	Neuropsychiatric Outcomes in Children with Traumatic Brain Injuries	Kramer Keri; Reisner Andrew; Sayeed Iqbal; and Blackwell Laura
71	Emory University	Patel, Ms. Seema	Neutralizing Antibodies against Factor VIII can occur through a Non-Germinal Center Pathway	Patel, Seema; Lundgren, Taran; Baldwin, Wallace Hunter; Cox, Courtney; Parker, Ernest; Healey, John; Jajosky, Ryan; Zerra, Patricia; Josephson, Cassandra; Doering, Christopher; Stowell, Sean; and Meeks, Shannon
72	Emory University	White, Mr. Tyshawn	Novel Genetic Suppressors of CFTR Nonsense Variants Discovered using Yeast Phenomics	White Jr., Tyshawn R.; Icyuz, Mert; Santos, Sean; Hong, Jeong S.; Sorscher, Eric J.; Hartman IV, John L.; and Oliver, Kathryn E.
73	Emory University	Beshish, Dr. Asaad	Outcomes of Stage 2 Palliation for Single Ventricle Patients Based on Antegrade Pulmonary Blood Flow, A Single Institution Report	Maximilian, Brady; Olivia, Cole; Klevi, Goloshi; Asmita, Gathoo; Ambika, Menon; Josh, Qian; Tawanda, Zinyandu; Kevin, O. Maher; Shripasad, Deshpande; Asaad, G. Beshish
74	Emory University	Beshish, Dr. Asaad	Outcomes of Stage 2 Palliation for Single Ventricle Patients Based on Surgical Era, A Single Institution Report	Asmita, Gathoo; Ambika, Menon; Josh, Qian; Maximilian, Brady; Olivia, Cole; Klevi, Goloshi; Tawanda, Zinyandu; Kevin, O. Maher; Shripasad, Deshpande; Asaad, G. Beshish
75	Emory University	Pollock, Ms. Zoe	Outlook on Life and its Relationship to the Health Behaviors of Young Women: A Cross-Sectional Study	Pollock, Zoë; Bradley, Kolbi; Patterson, Sierra; and Gooding, Holly.
76	Mercer University	Patil, Ms. Smital Rajan	Pain-free Microneedle based Subunit Vaccine Candidate against Respiratory Syncytial Virus affecting Pediatric population	Patil, Smital; Menon, Ipshta; Kang, Sang-Moo and D'Souza, Martin
77	Emory University	Jones, Ms. Bryana	Parent Reported Feeding Concerns in African American Children with Autism Spectrum Disorder: An Exploratory Descriptive Study	Bryana Gadis Jones*, MA; Taylor Williams*, MS; Megan Alder, PhD, RN Meara McMahon, PhD, BCBA; Emily Kate Rubio, PhD, BCBA; Ivanna Betancourt, MS, RD; Bonnie Minter, APRN, CPNP; Lawrence Scahill, PhD; William Sharp, PhD, Stormi White, PsyD; Valerie Volkert, PhD  *Both authors contributed equally to this work and are considered first co-authors
78	Emory University	Palmer, Ms. Kimberly Nicole	Parenting Stress Over the First Year of Inflammatory Bowel Disease Diagnosis	Palmer, Kimberly N; Rea, Kelly E; Cushman, Grace K; Westbrook, Adrianna L; and Reed, Bonney
79	Emory University	Nguyen, Dr. Thinh	Patients with Severe Hepatitis Have a Systemic T-Cell Activation Phenotype and Interferon Activity Reminiscent of HLH, the Potential Role of T-cell and Interferon Gamma Directed Therapies.	Nguyen, Thinh; Kumar, Deepak; Prince, Chengyu; Romero, Rene; Chandrakasan, Shanmuganathan
80	Emory University	Offerle, Dr. Thomas	Peanut Sensitization is Associated with Greater Respiratory Morbidity in Preschool Children with Comorbid Asthma	Thomas Offerle, MD; Brian P. Vickery, MD; Gerald Lee, MD; Anne M. Fitzpatrick, Ph.D.
81	Mercer University	Patil, Ms. Smital Rajan	Pediatric Patient Compliant Quick Dissolving Oral Films based Microparticulate Subunit Vaccine against COVID-19	Patil, Smital; Vijayanand, Sharon; Joshi, Devyani and D'Souza, Martin
82	Children's Healthcare of Atlanta	Stone, Ms. Cheryl	Pediatric Self Swabbing Guidelines for COVID-19	Jesse J. Waggoner, Miriam B. Vos, Erika A. Tyburski, Phuung-Vi Nguyen, Jessica M. Ingersoll, Candace Miller, Julie Sullivan, Mark Griffiths, Cheryl Stone, Macarthur Benoit, Laura Benedict, Brooke Seitter, Robert Jervis, Joshua M. Levy, Colleen S. Kraft, Sarah Farmer, Amanda Foster, Anna Wood, Adrianna L. Westbrook, Claudia R. Morris, Usha N. Sathian, William Heedkerks, Li Li, Kristian Roth, Mary Barcus, Timothy Stenzel, Greg S. Martin, Wilbur A. Lam
83	Morehouse School of Medicine	Tables, Dr. LaKeshia	Pediatric Type 2 Diabetes Mellitus and the COVID-19 Pandemic: A Systematic Review	Tables, LaKeshia; and Beck, Chyna
84	Emory University	Rao, Dr. Anuradha	Performance of the Abbott BinaxNOW SARS-CoV-2 Rapid Antigen Test Against Viral Variants of Concern	Heather B. Bowers; Anuradha Rao; Leda Bassit; Jessica Lin; Kiran Verma; Kimberly Pachura; Morgan Greenleaf; Julie Sullivan; Pamela Miller; Eric Lai; Richard S. Creager; Thomas Pribyl; John Blackwood; Anne L. Plantadosi; Raymond Schinazi; Greg S. Martin; and Wilbur A. Lam
85	Emory University	Morgan, Dr. Lindee	Pilot Study of CITAS: Communication Interaction Training on Autism for Spanish-speaking caregivers	Morgan, Lindee; Guerra, Karen; Gillespie, Scott; Stapel-Wax, Jennifer; Pickard, Kathleen
86	Emory University	Pickard, Dr. Katherine	Piloting an Evidence-Based, Parent Mediated Intervention for Spanish Speaking Latinx Families of Young Children with Autism	Guerra, Karen; Pickard, Katherine; and Hendrix, Nicole
87	Emory University	Chawla, Mr. Shivaang	Predictability and Social Rhythmic Entrainment in TD and ASD Toddlers	Chawla, Shivaang; Fram, Noah; Alviar, Camila; Wang, Youjia; Edwards, Laura A; Jones, Warren; and Lense, Miriam
88	Children's Healthcare of Atlanta	Fournier-Goodnight, Dr. Ashley	Preliminary Investigation of NNNS-II Among Infants with Abusive Head Trauma	Morrison, Tiana and Fournier-Goodnight, Ashley
89	Children's Healthcare of Atlanta	Tickle, Ms. Kelly	Quality of life and outcome improvement in adolescents with bleeding disorders receiving medical management for heavy menstrual bleeding.	Tickle, Kelly; Cherven, Brooke; Keesari, Rohali; Greene, Amanda; White, Michael; Calamaro, Christina; Kumpf, Penny; and Sidonio, Robert
90	Georgia Tech	Dallaire, Ms. Stephanie	Rare Variant and Polygenic Risk Analysis of Primary Immunodeficiencies in Children	Dallaire, Stephanie; Ma, Zequing; Hegde, Madhuri and Gibson, Gregory
91	Emory University	Patel, Dr. Pratik	Reducing Duration of Empiric Antibiotics in Children Undergoing Stem Cell Transplantation	Patel, Pratik; Teherani, Mehgan; Xiang, Yijin; Bernardo, Valeria; Chandrakasan, Shanmuganathan; Goggin, Kathryn; Haight, Ann; Horwitz, Edwin; Liang, Wayne; Parikh, Suhag; Schoettler, Michelle; Spencer, Kathleen; Stenger, Elizabeth; Williams, Kirsten; Leung, Kathryn; Jaggi, Preeti; and Qayed, Muna
92	Emory University	Yarnall, Dr. J. Nathan	SARS-CoV-2 Vaccine Confidence in Youth with Cancer and Their Parents	Yarnall, J. Nathan; Klosky, James L.; and Goggin, Kathryn P.
93	Emory University	Kolachala, Dr. Vasantha	Spatial Transcriptomic Profiling of Inflammation in Crohn's Disease and CD74-MIF Interaction	Kolachala, Vasantha; Maddipati, Sushma Chowdary; Dodd, Ann; Pella, Ranjit Singh; Venkateswaran, Suresh; Anbazhagan, Murugadas; Geem, Duke; Yin, Hong; Olu, Peng; Gibson, Greg; Matthews, Jason and Kugathasan, Subra
94	Emory University	Liang, Dr. Bo	Structure and catalysis of the respiratory syncytial virus polymerase	Cao, Dongdong; Gao, Yunrong; Roesler, Claire; Rice, Samantha; D'Unha, Paul; Zhuang, Lisa; Slack, Julia; Antonova, Anna; Romanelli, Sarah; Liang, Bo
95	Emory University	Welsh, Dr. Jean A.	Sugary beverage consumption in infancy and risk of obesity in young adulthood	Welsh, Jean; Sekkarie, Ahlia; Figueroa; Cioffi, Catherine; Vos M
96	Emory University	Proctor, Dr. Kaitlin Baker	Symptoms of Problematic Feeding in Children with Food Allergy	Park, Jinhee; Proctor, Kaitlin B.; Estrem, Hayley H.; Vickery, Brian P.; and Sharp, William G.
97	Emory University	Kellner, Ms. Anna	The Adipocyte Secretome Inhibits T-cell Function by Dampening T-cell Receptor Biomechanics	Kellner, Anna; Hunter, Rae; Eggert, Joel; Do, Priscilla; Jaffe, Maya; Lee, Miyoung; Ross, Anthony; Hamilton, Jamie; Bender, Rachel; Ma, Rong; Porter, Christopher; Dreaden, Erik; Au-Yeung, Byron; Haynes, Karmela; Henry, Curtis; and Salaita, Khris
98	Emory University	Proctor, Dr. Kaitlin Baker	The Impact of Pediatric Food Allergy on Children's Feeding	Proctor, Kaitlin B.; Estrem, Hayley H.; Park, Jinhee; Tison, Katherine L.; Sharp, William G.; and Vickery, Brian P.

99	Emory University	Hines-Wilson, Ms. Mackenzie	The Role of Communicative Context in Visual Attention to the Mouth and Language Acquisition in Infants with and without Autism Spectrum Disorder During the Second Year of Life	Hines-Wilson, Mackenzie; Sahoo, Manash; Nicholson, Chris; Klin, Ami; Jones, Warren; Lense, Miriam; Edwards, Laura
100	Emory University	Rudrabhatla, Ms. Asha	The Role of Concerns Regarding Teachers' Division of Classroom Attention in the Formation of Inclusion Attitudes in Parents of Typically-developing Children: Considerations of Parents' Social Justice-related Values	Rudrabhatla, Asha; Morgan, Lindee; and Siller, Michael
101	Emory University	Francois, Ms. Sandy	The Role of Traditional Risk Factors in Predicting Sub-Clinical Lead Exposure in Metro Atlanta Children	François, Sandy; Mashayekh, Summer; Jackson, Sonja; Khizer, Saadia; Lyles, Robert H.; Kendrick-Allwood, Salathiel R.; Immergluck, Lilly C. and Dickinson-Copeland, Carmen M
102	Emory University	Joe, Ms. Elayne	Time-Varying Lateralization of Infant White Matter Tracts and the Development of the Corpus Callosum	Joe, Elayne; Ammar, Zeena; Ford, Aiden; Li, Longchuan; and Shultz, Sarah
103	Morehouse School of Medicine	Williams, Ms. Aly	To evaluate the role of prolactin signaling at the maternal-fetal interface associated with miscarriage.	Williams, A, Sim YE, and Johnson, EL
104	Emory University	Mills, Dr. Marcos	Tunneled Femoral Lines in the Cardiac ICU: A Novel Approach	Mills, Marcos; Chanani, Nikhil; Wolf, Michael; Beshish, Asaad; Aljiffry, Alaa; Zinvandu, Tawanda; and Maher, Kevin
105	Emory University	Garcia-Sifuentes, Ms. Yesenia	Understanding Impact of Adolescent Isolation on Social Value-based Decision-making in Mice	Garcia-Sifuentes, Yesenia; Trinoskey-Rice, Gracy; and Gourley, Shannon L.
106	Emory University	Batsuli, Dr. Glaivy	Updates on the Atlanta Protocol Cohort: Two-Year Institutional Outcomes on Immune Tolerance Induction in Children with Hemophilia A and Inhibitors on Emicizumab	Batsuli, Glaivy; Zimowski, Karen; Tickle, Kelly; Meeks, Shannon; and Sidonio, Robert
107	Emory University	Aumann, Dr. Waitman	Using Small Molecule Inhibitors to Target the SIX1/EYA2 Axis in T-ALL	Aumann, Waitman; Chen, Dongdong; Lavau, Catherine; Conway, Amanda; Ford, Heidi; Wechsler, Daniel
108	Mercer University	Shah, Mr. Sarthak	Vaccinate Children: Making A Preventive Vaccine Using A Microparticulate Adjuvant	Shah, Sarthak; Joshi, Devyani; Chhib, Christiane; Uddin, Mohammad; D'Souza, Martin
109	Emory University	Sahoo, Mr. Manash	Visual Attention to the Mouth During Infant-Directed Speech and Song in Infants with and without ASD over the First Year of Life	Sahoo, Manash; Hines-Wilson, Mackenzie; Nicholson, Chris; Parmaksiz, Deniz; Klin, Ami; Jones, Warren; Laura, Edwards A., Lense, Miriam; Alviar, Camila; and Fram, Noah
110	Mercer University	Pasupuleti, Ms. Dedeepya	What is Real World Cancer Genomic Data telling us about the combined effect of A High risk Childhood Brain tumor presenting gene - Altered PPM1D and Metastatic Oncogene - Altered PIK3CA in Breast Cancer.	Pasupuleti, Dedeepya; Nahta, Rita; and D'Souza Martin
111	Emory University	McSwain, Mr. Leon	Y-Box Binding Protein 1 Regulates Medulloblastoma Tumor Biology and Therapeutic Response	McSwain, Leon; Chen, Victor; Tiffany, Huang; Zhou, Grace; and Kenney, Anna
112	Emory University	Summers, Dr. Ryan	The Aflac Precision Medicine Program (APMP): Impact of Comprehensive Genomic Profiling of High-risk Pediatric Cancers on Clinical Care	Summers, Ryan J; Castellino, Sharon M; Porter, Christopher C; MacDonald, Tobey J; Basu, Gargi D; Szalinger, Szabolcs; Bhasin, Manoj K; Cash, Thomas; Carter, Alexis B; Castellino, Robert Craig; Fangusaro, Jason R; Mitchell, Sarah G; Pauly, Melinda G; Pencheva, Bojana; Wechsler, Daniel S; Graham, Douglas K; and Goldsmith, Kelly C
113	Emory University	Janardan, Dr. Sanyukta	The Association of Health Status and Health Quality with Physical Activity in Childhood Cancer Survivors	Janardan, Sanyukta; Mertens, Ann; and Effinger, Karen
114	Emory University	Mukherjee, Dr. Gargi	Effect of Open Notes and Clinical Decision Support on Sexual History Documentation	Mukherjee, Gargi; Polyakova, Inna; Ververis, Megan; Gooding, Holly; Orenstein, Evan
115	Emory University	Ji, Prof. Xu	Association between continuous Medicaid coverage and survival among children newly diagnosed with cancer	Ji, Xu; Hu, Xin; Lewis, Rebecca; Monroe, Caitlin; Lipscomb, Joseph; Castellino, Sharon; and Mertens, Ann
116	Emory University	Hendrix, Dr. Nicole	Exploring the Predictive Impact of Adaptation to Parent-Mediated Intervention on Treatment Outcomes in an Outpatient Clinical Setting	Page, Alexandra; Hendrix, Nicole; and Pickard, Katherine
117	Emory University	Chaudhary, Dr. Sofia Shaheen	Reducing Firearm Access for Youth at Risk for Suicide in a Pediatric Emergency Department: A Pilot Study	Morris, Emilie; Chaudhary, Sofia; Washington, Shantae; Artis, Amanda; Fraser, Kiesha; Lazarus, Sarah; Costa, Angela; Cali, Nathan; Rupp, Jonathan; and Simon, Harold
118	Emory University	Ravindran, Dr. Mayuran	Content Validation of the Psychosocial Evaluation of Allergy on Caregivers and Households (PEACH) Tool	Ravindran, Mayuran; Park, Jinhee; Estrem, Hayley; Alder, Megan; Proctor, Kaitlin; Sharp, William; Scahill, Lawrence; and Vickery, Brian
119	Children's Healthcare of Atlanta	Branstetter, Dr. Joshua	novel doSing and monitoring Of asPirin in infants with single-ventRicle systemic-to-pulmonary-Artery shuNt phisiOlogy (SOPRANO)	Branstetter, Joshua; Zaki, Hania; Coolidge, Nicole; Zinyandu, Tawanda; Shashidharan, Subhadra; and Aliffry, Alaa
120	Emory University	Schneider, Ms. Olivia	A Preliminary Study of Food Selectivity and Mealtime Behaviors for Children on the Autism Spectrum and Quality of Life	Schneider, Olivia; Alder, Megan; White, Stormi; McMahon, Meara; Rubio, Emily Kate; Betancourt, Ivanna; Minter, Bonnie; Scahill, Lawrence; and Sharp, William
121	Mercer University	Kale, Ms. Akanksha	Immunization against Zika using Painless Dissolving Microneedles in a Murine Model.	Kale, Akanksha; and D'Souza, Martin
122	Emory University	Palmieri, Dr. Vincent	Exercise Testing in Pediatric Patients with Pacemakers Can Improve Activity Related Symptoms	Palmieri, Vincent; Stark, Megan; Salvati, Touria; Posey, Jessica; Fischbach, Peter; Whitehill, Robert
123	Emory University	Scahill, Dr. Lawrence	A Randomized Trial of Direct Instruction Language for Learning in Children with Autism Spectrum Disorder	Scahill, Shillingsburg, Ousley, Pileggi, Gillespie, McCracken
124	Emory University	Mohiuddin, Ms. Tahmina	Healthcare Utilization of Pediatric Patients with Feeding Difficulties after Congenital Heart Surgery	Mohiuddin, Tahmina; Tey, Ching S.; Horny, Michal; Zhang, Chao; Sharp, William; Patzer, Rachel; Chanani, Nikhil; and Raol, Nikhila
125	Emory University	Bakhtiar, Dr. Mojtaba	Pediatric acute myeloid leukemia relapse-associated novel biomarker revealed by single cell transcriptome profiling is associated with cell proliferation and migration	Mojtaba Bakhtiar, Swati S Bhasin, Beena E Thomas, Hope Mumme, Manoj Bhasin
126	Emory University	Welsh, Dr. Jean A.	Perceptions regarding 100% fruit juice among parents who give them to their children <5 years	Welsh, Jean; Tenorio-Martinez, Sofia; Nelson, Jillian; Lewis, Eliza; Sylvestsky, Allison
127	Emory University	Kushner, Ms. Elizabeth	Prediction and Monitoring of Treatment Response in Early Intervention: Measuring Social Visual Engagement During a Randomized Clinical Trial of the Early Social Interaction Project	Kushner, Elizabeth; Pickard, Katherine; Stapel-Wax, Jennifer; Wetherby, Amy; Klin, Ami; Jones, Warren and Edwards, Laura
128	Emory University	Tokish, Ms. Hannah	When Eye-Tracking Measures Differ from Expert Clinical Assessment: Examining the Clinical Characteristics of Less Diagnostically-Clear Cases of ASD	Tokish, Hannah; Sivathasan, Shalini; McQueen, Emma; Klaiman, Cheryl; Walum, Hasse; Klin, Ami; and Jones, Warren