

2017

Southeastern Pediatric Research Conference: Big Data for Better Care

Georgia Aquarium, Atlanta, GA
June 9, 2017

Agenda

7:00 – 8:00	Registration & Continental Breakfast
8:00 – 8:05	Welcome from Conference Co-Chairs
	<p>Chris Gunter, PhD Associate Professor of Pediatrics and Human Genetics, Emory University School of Medicine & Director of Communications Operations, Marcus Autism Center, Children's Healthcare of Atlanta</p> <p>Stacy Heilman, PhD Assistant Professor, Department of Pediatrics & Director, Pediatric Research Operations, Emory University and Children's Healthcare of Atlanta</p> <p>Greg Gibson, PhD Professor of Biological Sciences & Director, Center for Integrative Genomics, Georgia Institute of Technology</p>
8:05 – 8:20	Opening Remarks
	<p>Donna Hyland President and Chief Executive Officer, Children's Healthcare of Atlanta</p> <p>Lucky Jain, MD, MBA Richard W. Blumberg Professor and Interim Chair, Department of Pediatrics, Emory University & Executive Medical Director and Interim Chief Academic Officer, Children's Healthcare of Atlanta</p> <p>M.G. Finn, PhD Professor and Chair, School of Chemistry and Biochemistry, Georgia Institute of Technology James A. Carlos Family Chair for Pediatric Technology Chief Scientific Officer, Pediatric Technology Center Children's Research Scholar</p>
8:20 – 9:05	Keynote Presentation: "Real World Data and Patient-Driven Precision"
	<p>Kenneth Mandl, MD, MPH Director, Computational Health Informatics Program, Boston Children's Hospital Donald A.B. Lindberg Professor of Pediatrics, Harvard Medical School Professor of Biomedical Informatics, Harvard Medical School</p>

9:05 – 9:25	Rapid-Fire Talks on Selected Abstracts (<i>Posters 101 to 105</i>)
	<p>101. “Patterns of Visual Engagement Identify Distinct Subgroups of School-Age Children with ASD” Julia Yurkovic, Scott Gillespie, Warren Jones, Ami Klin, Sarah Shultz</p> <p>102. “Association analysis identified a novel TPCN2 loci and HLA signals specific to Pediatric Onset Ulcerative Colitis” Suresh Venkateswaran, Jarod Prince, David J. Cutler, Urko M. Marigorta, David Okou, Sampath Prahalad, Cary G. Sauer, Greg Gibson, Lee Denson, Jeffrey Hyams, Subra Kugathasan</p> <p>103. “YB1 regulates radiation resistance in the medulloblastoma tumor microenvironment” Abhinav Dey, Anshu Malhotra, Anna Kenney</p> <p>104. “Impact on Rotavirus Vaccination: Determining the Effects of Travel Distance and Time on Access to a Rotavirus Vaccine Provider” Kelly Brown, Victoria Churchill, Elham Laghaie, Fengzia Yan, Lilly Immergluck</p> <p>105. “Drug Library Screening and Identification of Novel Targets to Promote the Proliferation of Cardiomyocytes Derived from Human Pluripotent Stem Cells” Rajneesh Jha, Cinsley Gentillon, Louise McCormick, Caitlin Shepard, Monalisa Singh, Antonio Rampoldi, Baek Kim, Chunhui Xu</p>
9:25 – 9:30	Presentation of Poster Awards
9:30 – 10:10	Break & Poster Session 1 (<i>Rapid Fire Talks 101 to 105, Even-Numbered Posters 112 to 204 & Core Posters</i>)
10:10 – 10:40	Short Talks on Selected Abstracts
	<p>“Gestational age acceleration in neonates predicts NICU course” Anna K. Knight, Alicia Smith, Karen Conneely, Jane Loke, Jeanie Cheong, Jeffery M. Craig, Lex W. Doyle, Christiane Theda</p> <p>“Development of a Live-Attenuated Vaccine for Respiratory Syncytial Virus with Enhanced Thermostability and Immunogenicity” Christina Rostad, Christopher C. Stobart, Martin L. Moore</p>

10:40 - 11:05	Rapid-Fire Talks on Selected Abstracts (<i>Posters 106 to 110</i>)
	<p>106. "Postnatal Zika virus infection causes persistent neurologic abnormalities in infant macaques" Maud Mavigner, Jessica Raper, Sanjeev Gumber, Jens Wrammert, Mehul Suthar, Xiaodong Zhang, Maria Alvarado, Ann Chahroudi</p> <p>107. "KPT-350 ameliorates Duchenne muscular dystrophy symptoms in dystrophic zebrafish and mice" Matthew Alexander, Rylie Hightower, Yimin Wang, Sharon Tamir, Devin Gibbs, Louis Kunkel</p> <p>108. "Neural Mechanisms of Asthma" Liang Han, Nathachit Limjunyawong, Wayne Mitzner, Bradley J. Udem, Brendan J. Canning, Xinzhong Dong</p> <p>109. "Virtual transcatheter pulmonary valve replacement to optimize patient outcomes in pediatric patients" Sassan Hashemi, W. James Parks, Denver Sallee III, Holly D. Bauser-Heaton, Dennis W. Kim, Christopher J. Petit, Robert N. Vincent, Timothy C. Slesnick</p> <p>110. "The Emory 3q29 Deletion Project: Profiles of Neurodevelopmental and Neuropsychiatric Phenotypes" Rebecca Pollak, Sherly Boddu, Joy Park, Michael E. Zwick, Celine A Saulnier, Jennifer G. Mulle</p>
11:05 – 11:30	Rapid-Fire Talks on Research IT Services
	<p>222-224. Emory Library Information Technology Services – Patrick Maloney 221. Emory Integrated Computational Core – Viren Patel 225. REDCap – Carol Dickens 227. Children’s Data Assessment/Extraction – Robert Palmer 228. Children’s Data Warehouse – Todd Sharp</p>
11:30 - 1:00	Lunch, Technology Demonstrations & Poster Session 2
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12:15 – 1:00	Poster Session 2 (<i>Rapid Fire Poster 106 to 110 and Odd-Numbered Posters 111 to 203 & Research IT Services Posters</i>)
1:00 - 1:10	Afternoon Welcome
	<p>Yasmin Tyler-Hill, MD, FAAP Associate Professor & Chair, Department of Pediatrics, Morehouse School of Medicine Medical Director, Children’s Healthcare of Atlanta – Hughes Spalding</p>
1:10 - 1:35	<p>Presentation: "Predicting Changes in Pediatric Medical Complexity using Large Longitudinal Health Records" Jimeng Sun, PhD Associate Professor, School of Computational Science and Engineering, Georgia Institute of Technology</p>

1:35 - 2:05	Short Talks on Selected Abstracts
	<p>“Smartphone processing system for non-invasive, quantitative diagnosis of pediatric anemia using only patient-sourced photos” Robert Mannino, David Myers, Erika Tyburski, Jeanne Boudreaux, Gari Clifford, Wilbur Lam</p> <p>“Data Driven Post-Operative Appendicitis Care” Jason Zutty, Edward Clarkson, Mehul Raval</p>
2:05 – 2:15	Break
2:15 – 3:55	Keynote Presentations & Panel Discussion
2:15 - 2:45	<p>"Clinical Genomic Sequencing For Better Patient Care and Better Research"</p> <p>Howard Jacob, PhD Executive Vice President and Chief Genomic Medicine Officer HudsonAlpha Institute for Biotechnology</p>
2:45 – 3:15	<p>“If We Build It, Will They Come? Issues for Community-Engaged Genomics”</p> <p>Colleen M. McBride, PhD Grace Crum Rollins Professor and Chair, Behavioral Sciences and Health Education Department Rollins School of Public Health, Emory University</p>
3:15 – 3:55	<p>Panel Discussion</p> <ul style="list-style-type: none"> • Howard Jacob, PhD • Colleen M. McBride, PhD • Greg Gibson, PhD • Madhuri Hegde, PhD, FACMG, VP & CSO, Global Laboratory Services, Diagnostics, PerkinElmer; Adjunct Professor of Human Genetics, Emory University School of Medicine <p>Moderator: Chris Gunter, PhD</p>
3:55 - 4:00	Closing Remarks
4:00 - 5:00	<p>Reception with Door Prize Drawing at 4:30 PM</p> <p>Must be present to win - prizes include tickets to Atlanta area restaurants and attractions, including Buckhead Life Restaurants, the College Football Hall of Fame, Fernbank Museum, Botanical Gardens, and World of Coke!</p>
5:00 – 8:00	Complimentary Aquarium Admission for Conference Participants

Children's Healthcare of Atlanta is accredited by the Medical Association of Georgia to provide continuing education for physicians. Children's designates this live event for a maximum of 5.5 AMA PRA Category 1 credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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