



## 2017 Frontiers in Pediatric Genomic Medicine Conference

### Pediatric Genomic Medicine 101 for Practitioners: A Case-Based Education

#### Day 1 Agenda

Monday, April 24, 2017

0800 – 0900	Registration, Breakfast and Networking – Exhibit Hall Open
0900 – 0910	<b>Welcome Address: “Under the Hood”...All the Stuff you DON’T Need to Know</b> Stephen Kingsmore, MD, DSc <b>Rady Children’s Institute for Genomic Medicine</b>
0910 - 0930	<b>Case Study 1</b>
0930 - 1030	<b>What you DO need to know...</b> <b>Ascertainment, Pretest Counseling, and Return of Results in Genomic Medicine</b> Lisa Salz, MS, LCGC <b>Rady Children’s Institute for Genomic Medicine</b>
1030 – 1050	<b>Case Study 2</b>
1050 – 1110	<b>Break - Exhibit Hall Open</b>
1110 – 1210	<b>Genomes, Exomes and Panels...Oh My!</b> Shimul Chowdhury, PhD, DABMGG,CGMB <b>Rady Children’s Institute for Genomic Medicine</b>
1210 - 1230	<b>Case Study 3</b>
1230 – 1330	<b>Networking Lunch - Exhibit Hall Open</b>
1330 – 1415	<b>From Sequencing to Diagnosis - What you REALLY Need to Know:</b> <b>Analysis and Interpretation by Inheritance Mode</b> Shareef Nahas, PhD, FACMG <b>Rady Children’s Institute for Genomic Medicine</b>
1415 – 1435	<b>Case Study 4</b>
1435 – 1500	<b>Break - Exhibit Hall Open</b>
1500 - 1545	<b>Digging for Gold: Leveraging Natural Language Processing to Support Genomics, Phenotyping &amp; Personalized Medicine</b> Girish Nadkarni, MD <b>Assistant Professor of Medicine, Mount Sinai</b>
1545 – 1605	<b>Case Study 5</b>
1605 – 1700	<b>Pediatric Precision Medicine in Practice...How, What &amp; Ethics</b> Julie Cakici, BSN, RN <b>Rady Children’s Institute for Genomic Medicine</b>
1700	<b>Day 1 – Closing Remarks</b>



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### Day 2 Agenda\*

Tuesday, April 25, 2017

0800 – 0900	Registration, Breakfast and Networking / Exhibit Hall Open
0900 – 0920	<b>Day 2 - Opening Remarks</b> Stephen Kingsmore, MD, DSc <b>Rady Children's Institute for Genomic Medicine</b>
0920 – 1000	<b>Genomic Approach to Pediatric Brain Disease: Focus on Recessive and De novo Mutations</b> Joseph Gleeson, MD <b>UCSD School of Medicine/Rady Children's Institute for Genomic Medicine</b>
1000 - 1040	<b>New Causes and Treatments for Pediatric Movement Disorders</b> Jennifer Friedman, MD <b>UCSD School of Medicine/Rady Children's Institute for Genomic Medicine</b>
1040 – 1110	<b>Break / Exhibit Hall Open</b>
1110 – 1150	<b>Rare Disease Diagnostics/Discovery and Lessons from Duchenne Muscular Dystrophy</b> Stanley Nelson, MD <b>UCLA David Geffen School of Medicine</b>
1150 – 1230	<b>Modeling and Drugging Pediatric Brain Tumors</b> Robert Wechsler-Reya, PhD <b>Sanford, Burnham, Prebys Medical Discovery Institute</b>
1230 – 1330	<b>Networking Lunch / Exhibit Hall Open</b>
1330 – 1410	<b>What Genetics can Teach us About Autism Spectrum Disorder</b> Stephan Sanders, PhD <b>UCSF School of Medicine</b>
1410 – 1450	<b>Gene Therapy in Neuromuscular Disease</b> Chamindra Konersman, MD <b>University of California, San Diego/ Rady Children's Hospital/VA San Diego</b>
1450 – 1520	<b>Break / Exhibit Hall Open</b>
1520 - 1600	<b>Dissecting the Genetics of Developmental Disorders</b> Matthew Hurles, PhD <b>Wellcome Trust Sanger Institute (UK)</b>
1600 – 1630	<b>Closing Remarks</b> Joseph Gleeson, MD <b>Rady Children's Institute for Genomic Medicine</b>
1630 - 1930	<b>DNA DAY Conference Reception</b>

\* Agenda subject to change without notice



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### Day 3 Agenda\*

Wednesday, April 26, 2017

0730 – 0830	<b>Registration, Breakfast and Networking / Exhibit Hall Open</b>
0830 - 0835	<b>Opening Remarks</b>
0835 – 0935	<b>Keynote</b> Hans Hilger Ropers, MD <b>Max Planck Institute for Molecular Genetics in Berlin</b>
0935 - 1015	<b>Oligogenic Models of Cardiomyopathy</b> Matthew Bainbridge, PhD <b>Rady Children’s Institute for Genomic Medicine</b>
1015 – 1030	<b>Break / Exhibit Hall Open</b>
1030 – 1110	<b>Comparative Genomics Linking Early Childhood Cancer to Developmental Anomalies</b> Todd Druley, MD, PhD <b>Washington University School of Medicine</b>
1110 – 1150	<b>Clinical Whole Genome Sequencing for Rare and Undiagnosed Genetic Disease</b> Ryan Taft, PhD <b>Illumina</b>
1150 - 1220	<b>TBD</b> Peter Robinson, MD, MSC <b>The Jackson Laboratory</b>
1220 – 1320	<b>Networking Lunch / Exhibit Hall Open</b>
1320 – 1400	<b>NBSeq Exome Sequencing for Metabolic Disease Diagnosis / Community Engagement*</b> Jennifer Puck, MD & Bob Currier, PhD <b>University of California, San Francisco / California Department of Public Health</b>
1400 – 1440	<b>The BabySeq Project: Enrollment and Preliminary findings from sequencing healthy and ICU newborns</b> Pankaj Agrawal, MD, MMSc <b>Brigham and Women’s Hospital, Boston / Boston Children’s Hospital</b>
1440 – 1520	<b>NC NEXUS: Newborn Sequencing Project</b> Cynthia Powell, MD & Myra Roche, MS, CGC <b>University of North Carolina at Chapel Hill</b>
1520 – 1540	<b>Break / Exhibit Hall Open</b>
1540 - 1620	<b>Insights from NSIGHT</b> Michelle Clark, PhD <b>Children’s Mercy Hospital/Rady Children’s Institute for Genomic Medicine</b>
1620 – 1720	<b>Bioethics Panel Discussion</b> Barbara Koenig, PhD, RN, Cynthia Powell, MD, Ingrid Holm, MD, MPH & Julie Cakici, BSN, RN <b>Moderator: Julie Cakici, BSN, RN</b>
1720 – 1730	<b>Closing Remarks</b> Stephen Kingsmore, MD, DSc <b>Rady Children’s Institute for Genomic Medicine</b>

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