



DAY ONE	Wednesday, May 1, 2024	8:00 am to 4:30 pm PDT
MORNING FOCUS: BeginNGS®		
8:00 am	Registration/Exhibit Hall/Breakfast	
9:00 am	Welcome/Keynote	Stephen Kingsmore, MD, DSc President & CEO, Rady Children’s Institute for Genomic Medicine (RCIGM)
9:45 am	Lightning Talks: Leveraging Diverse Population Databases to Scale Whole Genome Newborn Sequencing BeginNGS Prospective Trial Update: Beyond the Beginning	Meredith Wright, PhD Genomics Integration Scientist, RCIGM Rebecca Reimers, MD/MPH, FACOG, FACMG Maternal-Fetal Medicine & Clinical Geneticist, San Diego Perinatal Center & RCIGM/RCHSD
10:15 am	BREAK – Exhibit Hall Open	
10:45 am	BeginNGS Consortium Panel: Beginning to Scale – Barriers to Success and Opportunities to Innovate	Terri Finkel, MD, PhD Professor and Associate Chair, Department of Pediatrics, College of Medicine, University of Tennessee Health Science Center Thomas May, PhD Floyd and Judy Rogers Endowed Professor, Washington State University, Vancouver, Elson S. Floyd College of Medicine Jessie Conta, MS Laboratory Stewardship Consultant, PLUGS Moderator: Kathy Lynch, Esq. Board Member, Rady Children’s Institute for Genomic Medicine
11:15 am	Family Panel	RCIGM Patient Family Moderator: Jerica Lenberg, MS, LCGC Lead Genetic Counselor, RCIGM
Noon	Lunch & Networking	
AFTERNOON FOCUS: Behavioral Health		
1:00 pm	Keynote: Microbiome and Its Impact on Adolescent Treatments for Depression	Rob Knight, PhD Professor of Pediatrics and Computer Science & Engineering, UC San Diego / Wolfe Family Endowed Chair in Microbiome Research, Rady Children’s Hospital San Diego (RCHSD)

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FINAL AGENDA

1:45 pm	Case: Genomics-Informed Pediatric Precision Mental Health	Aaron Besterman, MD Assistant Clinical Professor of Psychiatry, Department of Psychiatry, UC San Diego / Clinical Investigator, RCIGM/RCHSD
2:15 pm	BREAK – Exhibit Hall Open	
2:45 pm	Lightning Talk: Mitochondrial Disorders and Genetic Mimickers of Neuroinflammatory Disorders	Jennifer Yang, MD Assistant Clinical Professor of Neurosciences, Division of Pediatric Neurology at UC San Diego / RCIGM / RCHSD
3:10 pm	Lightning Talk: Neuroinflammation in Down Syndrome Regression Disorder	Jonathan Santoro, MD Director, Neuroimmunology & Demyelinating Disorders Program, Director of Research, Neurologic Institute at Children’s Hospital Los Angeles / Associate Professor of Neurology and Pediatrics, USC Keck School of Medicine
3:35 pm	Clinical Panel Discussion	<ul style="list-style-type: none"> • Aaron Besterman, MD, UC San Diego / RCIGM • Rob Knight, PhD, UC San Diego / RCHSD • Jennifer Yang, MD, UC San Diego / RCIGM • Jonathan Santoro, MD, USC Keck School of Medicine
4:00 pm	Wrap Up of Day 1	Stephen Kingsmore, MD, DSc President & CEO, RCIGM
4:30 – 7:00 pm	Reception/Networking	Heavy hors d'oeuvres and cocktails

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FINAL AGENDA

DAY TWO		Thursday, May 2, 2024	8:00 am to 4:30 pm PDT
MORNING FOCUS: RCIGM Case Reports			
8:00 am	Registration/Exhibit Hall/Breakfast		
9:00 am	Expanding the Breadth of Clinical Rapid WGS Test at RCIGM	Katarzyna Ellsworth, PhD, FACMG, CGMB Sr. Director of Clinical Operations, RCIGM	
	Identification of Trinucleotide Repeat Expansions in DMPK Using rapid Whole Genome Sequencing	Lucia Guidugli, PhD, FACMG, CGMB Clinical Lab Director, RCIGM Jennifer Schleit, PhD, FACMG Lab Director, RCIGM	
9:30 am	Lightning Talks: Beyond the Clinical urWGS Result: Integration of a Translational Research Program Long Reads	Whitney Thompson, MD, Mayo Clinic Eric Klee, PhD, Mayo Clinic Matthew Bainbridge, PhD, RCIGM	
BREAK – Exhibit Hall Open			
10:45 am	Keynote: The Impact of rWGS® in RCHSD’s NICU & PICU	Gail Knight, MD Sr. Vice President & Chief Medical Officer, RCHSD	
11:15 am	Clinician Panel: Beyond the NICU	Panelists: <ul style="list-style-type: none"> • Paige Hazelton, MS, Mayo Clinic • Joseph Fakhoury, MD, Bronson Children’s Hospital • Sabrina Jenkins, MD, Neonatologist, University of Utah / Primary Children’s Hospital • Kristen Suhrie, MD, Riley Children’s Health Moderator: Rebecca Reimers, MD/MPH, FACOG, FACMG Maternal-Fetal Medicine & Clinical Geneticist, San Diego Perinatal Center & RCIGM/RCHSD	
Noon	Lunch & Networking		
AFTERNOON FOCUS: Neuro-Oncology			
1:00 pm	Keynote: Functional Precision Medicine to Guide Individualized Treatments for Relapsed/Refractory Pediatric Cancers	Diana Azzam, PhD Assistant Professor, Lab Director, Environmental Health Sciences, Florida International University	
1:45 pm	Case: Molecular Tumor Board (MTB): Advancing Precision Medicine for Children with Brain Tumors	Lukas Chavez, PhD Scientific Director, RCHSD Pediatric Neuro-Oncology Molecular Tumor Board / RCIGM / Sanford Burnham Prebys Medical Discovery Institute / UC San Diego	

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FINAL AGENDA

	A Light in the Dark: Using Molecular Profiling to Unveil Novel Treatments for Pediatric Neuro-Oncology Patients	Megan Paul, MD Clinical Co-lead, RCHSD Pediatric Neuro-Oncology Molecular Tumor Board
2:15 pm	BREAK – Exhibit Hall Open	
2:45 pm	Lightning Talk: Leveraging Pediatric Neuro-oncology Genomics for Therapeutic Benefit	Parent / Father of patient Praveen B Raju, MD, PhD Associate Physician Diplomate, Neurosciences, UC San Diego / Director, RCHSD Brain and Spinal Tumor Center
3:15 pm	Panel: Challenges and Opportunities of Genomic Medicine in Pediatric Neuro-oncology	Panelists: <ul style="list-style-type: none"> • Parent • Diana Azzam, PhD • Megan Paul, MD, RCIGM • Lukas Chavez, PhD, RCIGM • Praveen B Raju, MD, PhD, UC San Diego / RCHSD Moderator: Jerica Lenberg, MS, LCGC, RCIGM
4:00 – 4:30 pm	Frontiers 2024 Closing	Stephen Kingsmore, MD, DSc President & CEO, RCIGM

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