

DAY ONE Tuesday, April 28, 2026 7:30-4:30 pm PDT**MORNING FOCUS: Newborn Screening**

7:30am	Registration/Exhibit Hall/Breakfast	
8:00 am	Welcome	Bruce Windoffer, Emcee
8:10 am	Newborn Genomic Screening in England – Initial results of the Generation Study	David Bick, MD, Genomics England (Virtual)
8:40 am	Sidra - Experience with NBS	Ammira Akil, MD, Sidra
9:10 am	Keynote Speaker	Stephen Kingsmore, MD, DSc President & CEO, Rady Children’s Institute for Genomic Medicine (RCIGM)
9:55 am	Break	
10:25am	The Next Frontier: Genome-Informed Care at Mayo Clinic Children’s (Non-CME Credit)	Whitney Thompson, MD, Mayo Clinic Monica Giovanni, MS, CGC, Inflection Medicine
10:50am	Break/Speed Networking	
11:20am	BeginNGS Million Genome project: Key Lessons for implementing Genomic newborn screening at scale	Pagé Goddard, PhD, Rady Children’s Institute for Genomic Medicine (RCIGM)
11:50am	BeginNGS: Implementing genomic newborn screening (gNBS) in diverse healthcare systems	Meredith Wright, PhD, Genomics Integration Scientist, Rady Panelist: <ul style="list-style-type: none"> • Milen Velinov, MD, PhD, Rutgers Robert Wood Johnson Medical School • Erica Wright, MS, CGC, University of Colorado/Children’s Hospital Colorado Moderator: Rebecca Reimers, MD/MPH, FACOG, FACMG Maternal-Fetal Medicine & Clinical Geneticist, San Diego Perinatal Center & RCIGM/RCHSD
12:30pm	Lunch & Networking	
AFTERNOON FOCUS: Leveraging AI in Precision Medicine Innovation		
1:30pm	Project Bridge	Matthew Bainbridge, PhD, Rady Children’s Institute for Genomic Medicine (RCIGM)
2:00pm	If You Build It - They Will Come: Discovery of Bachmann-Bupp syndrome and Rapid Repurposed Treatment	Caleb Bupp, MD, Corewell Health Helen DeVos Children's Hospital
2:30pm	Family Panel – Bridge	Moderator: Jerica Lenberg, MS, LCGC Lead Genetic Counselor, Rady Children’s Institute for Genomic Medicine (RCIGM)
3:15pm	Break	

3:30pm	Interpreting Genomic Variants in Newborn Screening: Challenges and AI-Driven Advances	Robert Nussbaum, MD, UCSF
4:00pm	AI Panel	<p>Panelist:</p> <ul style="list-style-type: none"> • Danny Oh, MS, Rady Children’s Institute for Genomic Medicine (RCIGM) • Louis Ehwerhemuepha, PhD, Rady Children's Health, Orange County <p>Moderator:</p> <ul style="list-style-type: none"> • Matthew Bainbridge, PhD, Rady Children’s Institute for Genomic Medicine (RCIGM)
4:40pm	Wrap Up of Day 1	Stephen Kingsmore, MD, DSc President & CEO, Rady Children’s Institute for Genomic Medicine (RCIGM)
5:00pm	Reception / Networking	

DAY TWO Wednesday, April 29, 2026 7:30 -04:30 pm PDT**MORNING FOCUS: Emerging Therapies in Pediatric Genomic Medicine**

7:30 am	Breakfast	
7:50 am	Welcome	Bruce Windoffer, Emcee
8:00 am	Modeling and Correcting Human Genetic Variants with Precision Genome Editing Method	Alexis Komor, PhD, University of California, San Diego
8:30 am	Building a Path Toward Genetic Therapies for Developmental and Epileptic Encephalopathies	Mingshan Xue, PhD, Baylor College of Medicine
9:00 am	Spinal Muscular Atrophy: Impact of Gene-Targeted Therapies and Genomic Testing Strategies	Richard Finkel, MD, St. Jude Children's Research Hospital
9:30 am	CRISPR	Fyodor Urnov, PhD, UC Berkeley/IGI
10:00 am	BREAK – Exhibit Hall Open	
10:30 am	Clinical translation of Hematopoietic Stem Cell Gene Therapy for Genetic Disorders (Non-CME Credit)	Stephanie Cherqu, PhD, University of California San Diego
11:00 am	BREAK	
11:30 am	Precision Medicine Clinic	Kristen Wigby, MD, Rady Children's Institute for Genomic Medicine (RCIGM)
12:00 pm	ASO Round Robin	Panelist: <ul style="list-style-type: none"> • Olivia Kim-McManus, MD, UCSD Rady Children's • Nicole Coufal, MD, PhD, University of California, San Diego School of Medicine Moderator: Rebecca Reimers, MD/MPH, FACOG, FACMG Maternal-Fetal Medicine & Clinical Geneticist, San Diego Perinatal Center & RCIGM/RCHSD
12:45 pm	Lunch	
AFTERNOON FOCUS: Advancing Genomically-Informed Care		
1:45 pm	Congenital Disorders of Glycosylation (CDG): Discovery, Therapies and Coming Attractions	Hudson Freeze, PhD, Sanford Burnham Prebys Medical Discovery Institute
2:15 pm	New Discoveries Elucidate the Influence of Genes and Environment in Autism	Jonathan Sebat, PhD, UC San Diego
2:45 pm	The Promise and Peril of Predictive Genomics for Sudden Death–Predisposing Cardiac Conditions	Andrew Landstrom, MD, PhD, Children's Hospital of Philadelphia
3:15 pm	BREAK – Exhibit Hall Open	

3:30 pm	Genome x Environment analysis of Sudden Unexpected Infant Death Reveals Heterogeneous, Strong Cannabis and Genetic Disease Risks	Erica Sanford Kobayashi, MD, Rady Children's Institute for Genomic Medicine (RCIGM)
4:00 pm	Rare Disease Collaboration Uncovers Key Mechanisms in Neurodegeneration: GPX4	Adam Wahida, MD, Ph.D, Harvard T.H. Chan School of Health
4:30 pm	Precision Medicine Program Family Panel	<p>Panelist:</p> <ul style="list-style-type: none"> • Adam Wahida, MD, Ph.D, Harvard T.H. Chan School of Health • Kristen Wigby, MD, Rady Children's Institute for Genomic Medicine (RCIGM) • Sanath Ramesh, Parent <p>Moderator: Jerica Lenberg, MS, LCGC Lead Genetic Counselor, RCIGM</p>
5:00 pm	Frontiers 2026 Closing	Stephen Kingsmore, MD, DSc President & CEO, Rady Children's Institute for Genomic Medicine (RCIGM)
5:15 pm	Reception	