**SUNDAY, JANUARY 24**

**Arrival and Registration**

**MONDAY, JANUARY 25**

**Welcome and Keynote Address**

Ricardo E. Dolmetsch†, Novartis Institutes for BioMedical Research, USA

*What Tools Do We Need to Develop Effective Treatments?*

**CNV Disorders**

Raquel E. Gur, University of Pennsylvania, USA

22q11.2 Deletion and/or 22q11.2 Duplication

Jennifer G. Mulle, Emory University School of Medicine, USA

3q29 Deletion and 3q29 Duplication

Wendy K. Chung, Columbia University, USA

*Deep Dive into 16p11.2 Deletion and Duplication*

**Short Talks Chosen from Abstracts**

**Roundtable Discussion 1: Different RGDs (Rare Genetic Disorders) and the Differences/Similarities Between Them**

How Do We Measure Phenotypes? How Do We Harmonize across Studies?

Christa L. Martin, Geisinger Health, USA

*Population Genomic Screening for Brain Disorders*

Audrey Thurm, NIMH, National Institutes of Health, USA

*Harmonization of Phenotypes*

Elise Robinson, Harvard T.H. Chan School of Public Health and Broad Institute, USA

*The NeuroDev Study: Phenotyping in African Populations*

Sébastien Jacquemont, University of Montreal, Canada

*Mapping the Effect of CNVs Genome-Wide on Cognition, Brain Structure and Functional Connectivity*

**Short Talks Chosen from Abstracts**

**Poster Session 1**

**TUESDAY, JANUARY 26**

**Mechanistic Studies of RGDs**

Lucy R. Osborne, University of Toronto, Canada

Mechanistic Studies of 7q11.23 Copy Number Variation

Thomas Bourgeron, Institut Pasteur, France

Functional Impact of Autism-Associated Mutations

Maria Chahrour, University of Texas Southwestern Medical Center, USA

*Neurodevelopmental Disorders: From Genetics to Mechanisms*

**Short Talks Chosen from Abstracts**

**Roundtable Discussion 2: What the Outstanding Questions are and What Tools are Needed to Answer Them?**

**Leveraging Animal Models for the study of RGD**

Jill L. Silverman, University of California, Davis, USA

*Mouse Behavior*

Jens Hjerling Leffler, Karolinska Institute, Sweden

*Molecular Cell Type Diversity and Why It Matters for Disease*

**Nicholas Katsanis**, Northwestern University Feinberg School of Medicine, USA

*Leveraging Zebrafish Models*

**Short Talk(s) Chosen from Abstracts**

**Poster Session 2**

**WEDNESDAY, JANUARY 27**

**Convergent Biology and Translation to Idiopathic Disease**

Carrie E. Bearden, University of California Los Angeles, USA

*Talk Title to be Announced*

Nenad Sestan, Yale School of Medicine, USA

*Tools to Identify Convergent Biology*

Armin Raznahan, NIMH, National Institutes of Health, USA

*Genetics First Approaches and Childhood Onset Neuropsychiatric Disease*

Stephan Sanders, University of California, San Francisco, USA

*Phenotypes, Biology, and Therapeutic Strategies for SCN2A*

**Short Talks Chosen from Abstracts**

**How Do We Get to Treatment?**

Randall L. Carpenter, Rett Syndrome Research Trust, USA

*When Clinical Trials Fail: A Post-Mortem*

Paul Wang, Simons Foundation, USA

*Talk Title to be Announced*

Mustafa Sahin, Boston Children's Hospital, USA

*Clinical Trials and TSC*

**Short Talks Chosen from Abstracts**

**Panel Discussion: How Do RGD Fit within the NIH Mission?**

Anne R. Pariser, NCATS NIH, USA

*Novel Approaches for Accelerating Rare Diseases Therapeutics Development*

Melissa A. Parisi, NICHD, National Institutes of Health, USA

*NIMH Interest in Rare Genetic Disorders*

**Short Talks Chosen from Abstracts**

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers)**

**THURSDAY, JANUARY 28**

**Departure**