8:50-9:25  Introduction and Clinical Background
Alan Percy, MD - UAB

9:25-10:10  Excitation/Inhibition imbalance and hippocampal network hyperexcitability in MeCP2 mutant mice: A role of impaired BDNF signaling in GABAergic interneurons
Lucas Pozzo-Miller, PhD - UAB

10:10-10:30 Break

10:30-11:15 Targeted Preservation of MeCP2 Function in Specific Brain Regions of MeCP2-Deficient Mice Improves Their Rett-Like Behavioral and EEG Deficits
James Eubanks, PhD - University of Toronto

11:15-12:00 Studying disease mechanism in neurons/astrocytes differentiated from RTT iPSCs
Qiang Chang, PhD - University of Wisconsin

12:00-1:30 Lunch and Posters

1:30-2:10 Epigenomic mechanisms in Rett syndrome, epilepsy, and associated memory deficits
Farah Lubin, PhD - UAB

2:10-2:50 Astrocyte dysfunction in Rett syndrome
Michelle Olsen, PhD - UAB

2:50-3:15 Break

3:15-4:00 A human model to study Rett syndrome
Alysson Muotri, PhD - University of California San Diego

4:00-4:45 Preclinical treatment in Rett syndrome
Jeffrey Neul, MD, PhD - Baylor College of Medicine

4:45-5:00 Summation
Group

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