

## Molecular and Cellular Cognition Society - Society for Neuroscience Satellite Symposium 2010

November 11<sup>th</sup>, 2010, Thursday **Marriott Hotel and Marina, Marina Ballroom D&E** 6:00pm - 9:00pm Poster Session

November 12<sup>th</sup>, 2010, Friday **San Diego Convention Center Room 29 ABCD**

8-9am: Continental Breakfast

9:00 - 9:05 Opening Remarks: **Cristina Alberini, MCCS President** (Mount Sinai School of Medicine)

**Session I.** Chair: **R. Suzanne Zukin** (Albert Einstein College of Medicine)

9:05 - 9:25 **Eric Kandel** (Columbia University) "The Multiple Roles of Small RNAs in Regulating Distinct Steps During Memory-Related Synaptic Plasticity"

9:25 - 9:45 **Serena Dudek** (NIEHS) "RSG14 is a natural suppressor of both synaptic plasticity in CA2 neurons and hippocampal-based learning and memory"

9:45 - 10:05 **Bong-Kiun Kaang** (Seoul National University) "Role of PI3K in synaptic plasticity and memory"

10:05 - 10:25 **Akinobu Suzuki** (Mount Sinai School of Medicine) "Astrocyte-neuron lactate shuttling is required for long-term memory formation"

**Session II.** Chair: **Satoshi Kida** (Tokyo University of Agriculture)

11:00 - 11:20 **Amy Arnsten** (Yale University) "Dynamic Network Connectivity: Molecular modulation of prefrontal cortical network strength"

11:20 - 11:40 **Anne Wheeler** (University of Toronto) "Time-dependent brain-wide reorganization of functional networks supporting contextual fear memory"

11:40 - 12:00 **David Jentsch** (UCLA) "Molecular genetic influences on response inhibition in laboratory animals"

12:00 - 12:20 **Supriya Ghosh** (National Centre for Biological Science Bangalore) "Neuronal encoding of fear generalization in the amygdala"

**Session III.** Chair: **Scott Small** (Columbia University)

2:00 - 2:20 **Toshi Nakashiba** (MIT) "Roles of Mossy Fiber Input in Pattern Separation and Completion"

2:20 - 2:40 **Michael Stefanik** (Medical University of South Carolina) "Shining the light on relapse neurocircuitry: Modulating the reinstatement of drug seeking behavior using an optogenetic approach"

2:40 - 3:00 **Johannes Bohacek** (University of Zurich) "Genome-wide analysis of the impact of early life stress across generations in mice"

3:00 - 3:20 **Catherine Dulac** (Harvard) "Parental allelic expression bias in the developing and adult brain"

**Session IV.** Chair: **James Bibb** (University of Texas Southwestern Medical Center)

3:40 - 4:00 **Carla Shatz** (Stanford University) "Releasing the Brake on Ocular Dominance Plasticity"

4:00 - 4:20 **Jose Rodriguez-Romaguera** (University of Puerto Rico) "Deep brain stimulation of the ventral striatum modulates fear expression and extinction memory in rats"

4:20 - 4:40 **Cornelius Gross** (EMBL Rome) "Role of dentate gyrus in hippocampal learning and plasticity"

4:40 - 5:00 **Adelaide Yiu** (University of Toronto) "Relative changes of intrinsic excitability are sufficient for preferential recruitment of neurons into a fear memory trace"