

**Molecular and Cellular Cognition Society
Society for Neuroscience Satellite Symposium
November 10 – 11, 2011**

Thursday, November 10th **Grand Hyatt, Washington, DC (Constitution CDE) 6–9pm** Poster Session

Friday, November 11th **Washington Convention Center, Room 146A 8am–5pm** Symposium

9:00 - 9:05 Opening Remarks: **Cristina Alberini, MCCS President** (New York University)

Session I. Chair: Kerry Ressler (Yerkes Research Center, Emory University)

9:05 - 9:25 **Robert Malenka** (Stanford University) “Cell type specific plasticity in midbrain dopamine cells”

9:25 - 9:45 **Lisa Giocomo** (Norwegian University of Science and Technology) “Cellular mechanisms underlying the topographical organization of grid cells in entorhinal cortex”

9:45 - 10:05 **Andreas Lüthi** (Friedrich Miescher Institute) “Inhibition and dis-inhibition in neuronal circuits of fear”

10:05 - 10:25 **J. Balaji** (UCLA) “Utilizing memory allocation mechanisms to trap and activate emotional memories”

Session II. Chair: Maria Eugenia Pedreira (University of Buenos Aires)

11:00 - 11:20 **Richard Huganir** (Johns Hopkins) “The Role of Calcium-Permeable AMPA Receptors in Fear Conditioning and Fear Erasure”

11:20 - 11:40 **Zhengui Xia** (University of Washington) “Targeted deletion of ERK5 MAP Kinase in adult neurogenic regions attenuates hippocampal adult neurogenesis and hippocampus-dependent memory formation”

11:40 - 12:00 **Yadin Dudai** (Weizman Institute) “Tinkering with the molecular machinery of memory storage in the rat cortex”

12:00 - 12:20 **Michael Lin** (Stanford) “Local dendritic stimulation evokes local synaptic incorporation of newly synthesized PSD95”

Session III. Chair: Sandra Pena de Ortiz (University of Puerto Rico)

2:00 - 2:20 **Carlos Brody** (Princeton University) “Optimal integration of evidence for decision-making in the rat”

2:20 - 2:40 **Aditi Bhattacharya** (NYU) “Reversal of phenotypes Fragile X syndrome model mice by the genetic deletion of p70 S6 Kinase1”

2:40 - 3:00 **Jelena Radulovic** (Northwestern) “The IQGAP1/NR2A signaling complex: A discrete regulator of spine density and memory”

3:00 - 3:20 **Elias Pavlopoulos** (Columbia) “The histone binding protein RbAp48 contributes to human age related hippocampal dysfunction”

Session IV. Chair: Ted Abel (University of Pennsylvania)

3:40 - 4:00 **Takao Hensch** (Harvard) “Shaping neural circuits by early experience”

4:00 - 4:20 **Kiriana Cowansage** (The Scripps Research Institute) “Re-exposure to a known context induces a refined pattern of cellular activation in bitransgenic mice expressing a novel dual-color fluorescent timer”

4:20 - 4:40 **Dhananjay Bambah-Mukku** (Mount Sinai School of Medicine) “A BDNF dependent auto-regulatory positive feedback loop critically mediates memory consolidation”

4:40 – 5:00 **Akira Sawa** (Johns Hopkins) “Interface of animal behavioral study and human cell biology/brain imaging approach: better understanding of mental illness”

*The 2011 meeting is dedicated to **Rusiko Bourtchouladze** who passed away on August 6, 2011. Rusiko is one of the pioneers in the field of molecular and cellular cognition.*

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