

**Molecular and Cellular Cognition Society
Society for Neuroscience Satellite Symposium 2007
San Diego Convention Center
San Diego, California**

**Thursday, November 1, 2007
Wine and Cheese Poster Session
Convention Center Room 1AB
6:30 pm - 9:30 pm**

**Friday, November 2, 2007
Symposium
Convention Center Room 33ABC
9 am - 6 pm**

Symposium Program

Friday, November 2, 2007

9:00 – 9:05 Opening Remarks: **David Sweatt**

Session I.

Chair: Li-Huei Tsai (MIT and HHMI)

9:05 - 9:25 **Dan Storm** (University of Washington) “The Role of Signal Transduction Cross-Talk in Memory Formation”

9:25 - 9:45 **Farah Lubin** (UAB) “Linking the Epigenetic Code of Exon-Specific BDNF DNA Methylation to Fear Memory Formation”

9:45 - 10:05 **Isabelle Mansuy** (Zurich) “Chromatin Modification by Protein Phosphatases Negatively Controls Memory and Synaptic Plasticity”

10:05 – 10:25 **Leon Reijmers** (The Scripps Research Institute) “In Search of Memory Traces Using Activity Induced Tagging of Neurons”

10:25 am - 11:00 am BREAK

Session II.

Chair: Joe LeDoux (NYU)

11:00 - 11:20 **Alcino Silva** (UCLA) “Unraveling Molecular and Cellular Mechanisms and Reversing Cognitive Deficits Associated with Learning Disabilities”

11:20 - 11:40 **Sheena Josselyn** (University of Toronto) “The Role of CREB in Neuronal Competition in Memory”

11:40 - 12:00 **Carolina Isiegas** (University of Pennsylvania) “A Novel Conditional Genetic System Reveals that Increasing Neuronal cAMP Enhances Memory and Retrieval”

12:00 - 12:20 **Craig Powell** (UT Southwestern Medical Center) “A Potential Mouse Model of Non-Syndromic Autism: Disease-Linked Point Mutation in Neuroligin-3 Produces Autism-Like Behavior in Mice”

12:20 pm - 2:00 pm LUNCH

Session III.

Chair: Rusty Gage (Salk Institute)

2:00 - 2:20 **Todd Sacktor** (SUNY Downstate) “PKMzeta: The First Long-Term Memory Storage Molecule”

2:20 - 2:40 **Reut Shema** (Weizmann Institute of Science) “PKMzeta Maintains Long-Term Associative Memories in Cortex”

2:40 - 3:00 **Gavin Rumbaugh** (UAB) “Actin-Myosin Dynamics Regulate an Early Consolidation Stage of LTP and Memory”

3:00 - 3:20 **Shige Itohara** (Riken) “Vertebrate-Specific Transneuronal Protein Netrin-Gs/NGLs and Cortical Laminar Formation”

3:20 pm - 3:40 pm BREAK

Session IV.

Chair: John Guzowski (UC Irvine)

3:40 - 4:00 **Kelsey Martin** (UCLA) “Signaling between Synapse and Nucleus during Neuronal Plasticity”

4:00 - 4:20 **Chris Vecsey** (University of Pennsylvania) “Brief Sleep Deprivation Produces Deficit in cAMP/PKA-Dependent Forms of Synaptic Plasticity in the Mouse Hippocampus that are Rescued by Phosphodiesterase Inhibition”

4:20 - 4:40 **Scott Small** (Columbia) “Imaging Hippocampal Dysfunction in Humans and Animal Models: Cellular and Molecular Insight into Cognitive Aging”

4:40 - 5:00 **Paul Frankland** (University of Toronto) “Age-Dependent Incorporation of Adult-Generated Granule Cells into Circuits Supporting Contextual Fear Memory in the Dentate Gyrus”