

**Molecular and Cellular Cognition Society
Society for Neuroscience Satellite Symposium 2008
Embassy Suites Convention Center Capitol Ballroom
Washington, DC**

Thursday, November 13, 2008

6:30pm - 9:30pm Wine and Cheese Poster Session

Friday, November 14, 2008

8:00am - 9:00am Continental Breakfast

Symposium Program

9:00 – 9:05 Opening Remarks: **David Sweatt** (UAB), MCCS President

Session I.

Chair: Alison Barth (UCLA)

9:05 - 9:25 **Greg Quirk** (UPRSOM) “Prefrontal bursting controls fear expression and extinction”

9:25 - 9:45 **Junghyup Suh** (MIT) “Genetic inducible blockade of the temporoammonic pathway: spatial coding and acquisition of spatial and contextual information in the absence of direct cortical input”

9:45 - 10:05 **May-Britt Moser** (NTNU) “Representation of geometric borders in the entorhinal cortex”

10:05 – 10:25 **Jonathan Whitlock** (NTNU) “Comparing representations in entorhinal and parietal cortices”

10:25am - 11:00am BREAK

Session II.

Chair: Jelena Radulovic (Northwestern)

11:00 - 11:20 **Zhihong Jiang** (NIH/NIMH) “Genetic manipulation of memory consolidation via target activation of PKR in hippocampal CA1 pyramidal cells”

11:20 - 11:40 **Joe LeDoux** (NYU) “Back to basics. Extending the neural circuits of Pavlovian fear conditioning”

11:40 - 12:00 **Dennis Choi** (Emory) “Cortical brain derived neurotrophic factor modulates expression of appetitive and aversive learning in mice”

12:00 - 12:20 **Susumu Tonegawa** (MIT) “Continued hippocampal CA3 output for sleep reactivation and consolidation of memory”

12:20pm - 2:00pm LUNCH (on your own)

Session III.

Chair: Jerry Yin (UW-Madison)

2:00 - 2:20 **Sumantra Chattarji** (NCBS) “Impact of stress on the amygdala: the fear of fear itself”

2:20 - 2:40 **Courtney Miller** (UAB) “Delayed and persistent DNA methylation changes in the cortex following hippocampus-dependent learning”

2:40 - 3:00 **Jin-Hee Han** (University of Toronto) “Selective erasure of a fear memory”

3:00 - 3:20 **Karl Deisseroth** (Stanford) “Optogenetics: Development and Application”

3:20pm - 3:40pm BREAK

Session IV.

Chair: Karim Nader (McGill)

3:40 - 4:00 **Yu Zhou** (UCLA) “CREB-dependent increases in excitability in lateral amygdala neurons during memory allocation”

4:00 - 4:20 **Cristina Alberini** (Mount Sinai) “Mechanisms and temporal dynamics of memory consolidation”

4:20 - 4:40 **Kathryn Reissner** (UCI) “Homer-mediated interactions are required for postsynaptic sharing of post-tetanic potentiation at aplysia sensory-motor neuron synapses”

4:40 – 5:00 **Li-Huei Tsai** (MIT) “Chromatin remodeling-associated memory formation in health and disease”