

Molecular and Cellular Cognition Society
Society for Neuroscience Satellite Symposium 2009
McCormick Place
2301 S. Lake Shore Drive
Chicago, IL 60616

Thursday, October 15, 2009

Lakeside Center, East Building (E450A)

6:00pm - 9:00pm "Wine and Cheese" Cash Bar Poster Session

Friday, October 16, 2009

North Building (N426)

8:00am - 9:00am Continental Breakfast

Symposium Program

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

Session I.

Chair: John Disterhoft (Northwestern)

9:05 - 9:25 **Carol Barnes** (University of Arizona) "Aging and Arc expression in the hippocampus. Unique changes in pyramidal versus granule cells"

9:25 - 9:45 **Tracey J. Shors** (Rutgers) "Saving your brain: How learning keeps new neurons alive"

9:45 - 10:05 **Paola Virginia Miguez** (McGill) "PKMzeta maintains memories by regulating GluR2-dependent AMPA receptor trafficking"

10:05 – 10:25 **Jean-Rene Cardinaux** (University of Lausanne) "Transducer of regulated CREB activity 1(TORC1): A role in reward-related learning and memory and behavioral responses to emotional stimuli?"

10:25am - 11:00am BREAK

Session II.

Chair: Jack Byrne (University of Texas-Houston)

11:00 - 11:20 **Paolo Sassone-Corsi** (University of California, Irvine) "A chromatin remodeling CLOCK"

11:20 - 11:40 **Jeansok J. Kim** (University of Washington) "Visual evidence of stimulus convergence in amygdalar neurons during Pavlovian fear conditioning"

11:40 - 12:00 **Ann Graybiel** (MIT) "Striatum-enriched CalDAG-GEFI affects neuroplasticity and repetitive behaviors"

12:00 - 12:20 **Amar Sahay** (Columbia) "Increasing adult hippocampal neurogenesis is sufficient to improve cognition but not mood"

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

Session III.

Chair: Jane Taylor (Yale)

2:00 - 2:20 **Michael Meaney** (McGill) "Early experience, gene expression and the epigenome"

2:20 - 2:40 **Cedrick Florian** (University of Pennsylvania) "Blocking glia-derived ATP release prevents sleep loss-induced hippocampal synaptic plasticity deficit and memory impairment in mice"

2:40 - 3:00 **Elias Pavlopoulos** (Columbia) "The neuralized-1 ubiquitin ligase regulates CPEB3-dependent protein synthesis of AMPA receptors in adult mammalian neurons and enhances synaptic plasticity and memory"

3:00 - 3:20 **Jess Cardin** (MIT) "Dissecting brain rhythms in vivo: Inhibitory interneuron activation induces gamma oscillations and sustained network resonance"

3:20pm - 3:40pm BREAK

Session IV.

Chair: Paul Chapman (GSK)

3:40 - 4:00 **Szu-Han Wang** (University of Edinburgh) “Synaptic tagging and capture: a behavior model for memory persistence”

4:00 - 4:20 **Alonso Martinez-Canabal** (University of Toronto) “Mature adult-born neurons are incorporated into memory circuits in function of their availability”

4:20 - 4:40 **Jennifer Raymond** (Stanford) "Molecularly distinct components of cerebellar learning revealed by studies of the vestibulo-ocular reflex"

4:40 – 5:00 **Mimi A. Trinh** (NYU) "Enhanced perseverative behaviors in mice lacking the eIF2 α kinase PERK"