

Molecular and Cellular Cognition Society

San Diego Convention Center, Room 28A November 11th 2016

PROGRAM



Friday, November 11, 2016

9:00-9:05 Li-Huei Tsai, MCCS President (MIT) Opening remarks

Session I.

Chair: Alcino Silva (UCLA)

9:05-9:25 Beth Stevens (Boston Children's Hospital) "Immune Mechanisms of Synapse Loss in Health & Disease"

9:25-9:45 Mizuki Miyahara (Tokyo University of Agriculture) "Hippocampal circadian clock regulates time-dependent memory retrieval and spine morphology of CA1 neuron"

9:45-10:05 Andre Fischer (Georg-August – University Gottingen, Germany) "Epigenetic mechanisms for early detection and treatment of Alzheimer's disease"

10:05-10:25 Prerana Shrestha (NYU) "Disrupting memory consolidation by targeting protein synthesis with an inducible chemogenetic strategy"

10:30 am - 11:00 am BREAK

Session II.

Chair: Cristina Alberini (NYU)

11:00-11:20 Ted Abel (UPENN and UIOWA) "The impact of sleep deprivation on hippocampal function"

11:20-11:40 Daria Tchessalova (University of Michigan) "Systemic Inflammation induces persistent dysregulation of memory and gene expression"

11:40-12:00 Yingxi Lin (MIT) "A robust activity marking system for exploring active neuronal ensembles"

12:00-12:20 Nicolette Ognjanovski (University of Michigan) "Parvalbumin-expressing interneurons coordinate hippocampal oscillatory dynamics that promote network plasticity"

12:20-12:40 Marcelo Wood (University of California Irvine) "The role of HDAC3 in age-related plasticity and memory dysfunction"

12:40 pm - 2:00 pm LUNCH

Session III.

Chair: Hee-Sup Shin (IBS)

2:00-2:20 Gloria Choi (MIT) "Neuromodulation of olfactory learning in the piriform cortex."

2:20-2:40 Thomas Vaissiere (The Scripps Research Institute) "Development of rapid and automated whole brain mapping in a mouse model of prenatal exposure to prescription pain medication"

2:40-3:00 Shelly Buffington (Baylor College of Medicine) "Microbial reconstitution reverses maternal diet-induced social and synaptic deficits in offspring"

3:00-3:20 Jin Hyung Lee (Stanford University) "Optogenetic fMRI and the investigation of global brain circuit mechanisms"

3:20 pm - 3:40 pm BREAK

Session IV.

Chair: Satoshi Kida (Tokyo University of Agriculture)

3:40-4:00 Edward Boyden (MIT) "Tools for Systematically Analyzing Neural Circuits"

4:00-4:20 Mariah Meyer (Northwestern University) 'Interactions of GABAergic and Oxytocin Systems in State-Dependent Memory'

4:20-4:40 MD Jahangir Alam (University of Toyama, Japan) Adult neurogenesis in maintenance of the hippocampal learning capacity"

4:40-5:00 Paul Marshall (University of California Irvine) "ADAR1 dual function as RNA editing and potential DNA binding enzyme in the activity-dependent regulation of adaptive behavior in the mouse"

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