

The Molecular and Cellular Cognition Society

The Molecular and Cellular Cognition Society (MCCS) is an international organization intended to facilitate interchanges among laboratories in the field of Molecular and Cellular Cognition. The other two key goals of the Society are to promote the study of the molecular and cellular basis of cognitive function, and to educate the general public on key findings in the field, including their limitations and implications for health and society.

Molecular and Cellular Cognition Society Council 2018-2021

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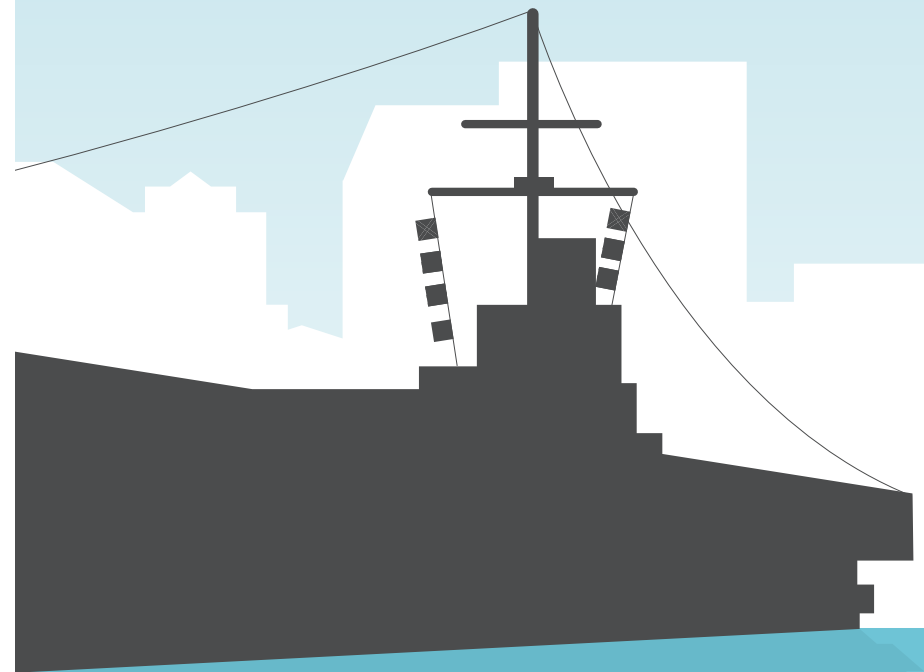
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MOLECULAR AND
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SOCIETY



17TH ANNUAL SYMPOSIUM

SAN DIEGO, CALIFORNIA

MOLECULAR AND CELLULAR COGNITION
SOCIETY 17TH ANNUAL SYMPOSIUM PROGRAM

FRIDAY, NOVEMBER 2

SAN DIEGO CONVENTION CENTER, ROOM 31ABC

- 9:00 a.m. Welcome
Ted Abel, MCCS President | University of Iowa
- Session I** **Jelena Radulovic, Chair** | Northwestern University
- 9:05 a.m. Mechanisms of new action learning
Paul Kenny | Icahn School of Medicine at Mount Sinai
- 9:25 a.m. Optogenetic reactivation of memory ensembles in the retrosplenial cortex induces systems consolidation
André Sousa | Scripps Research Institute, UCSD
- 9:45 a.m. Dopamine, delta rhythms, and cognitive control
Nandakumar Narayanan | University of Iowa
- 10:05 a.m. Specification of a remote memory cell ensemble during cortical tagging
Ryang Kim | The University of Tokyo
- 10:25 a.m. Morning Break
- Session II** **Satoski Kida, Chair** | Tokyo University of Agriculture
- 11:00 a.m. Behavioral characterization and rescue in a rat model of Fragile X syndrome
Emma Wood | The University of Edinburgh
- 11:20 a.m. Bi-directional regulation of the balance between memory discrimination and generalization by distinct neuronal ensembles within the memory engram
Xiaochen Sun | Massachusetts Institute of Technology
- 11:40 a.m. Rapid antidepressant mechanism of ketamine through silencing LHB bursts
Hailan Hu | Zhejiang University
- 12:00 p.m. Transcriptional priming by enduring chromatin modifications after early life stress
Cate Pena | Ichan School of Medicine at Mount Sinai
- 12:20 p.m. Lunch Break

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- Session III** **Jennifer Raymond, Chair** | Stanford University
- 2:00 p.m. Retroviral origins of synaptic plasticity and cognition
Jason Shepherd | University of Utah
- 2:20 p.m. Molecular, Spatial and Functional Single-Cell Profiling of the Hypothalamic Preoptic Region
Dhananjay Bambah-Mukku | Harvard University
- 2:40 p.m. Cell-type specific transcriptional networks regulating striatal development and behavior
Genevieve Konopka | University of Texas Southwestern Medical Center
- 3:00 p.m. mTOR-dependent interferon signaling in microglia and social memory deficits in a mouse model of tuberous sclerosis
Manuel Lopez Aranda | University of California Los Angeles
- 3:20 p.m. Afternoon Break
- Session IV** **Philipp Mews, Chair** | Icahn School of Medicine at Mount Sinai
- 3:45 p.m. Place cell coding in normal and abnormal memory
Laura Colgin | University of Texas, Austin
- 4:05 p.m. Inter-regional synaptic correlates among engram cells underlie memory formation
Jun H. Choi | Seoul National University
- 4:25 p.m. Spatial instability of the hippocampal engram
Tom McHugh | Riken Institute
- 4:45 p.m. Orchestrated ensembles activity constitute hippocampal memory engram
Khaled Ghandour | University of Toyama