2017-2018 NEUROSCIENCES SEMINAR SERIES

OCT 3  PAUL KATZ, University of Massachusetts Amherst  
Phylogenetic and individual variability of neural circuits underlying swimming behaviors in sea slugs  
Founder's Lecture in honor of Dr. Theodore Bullock  
Sponsored by Neuroscience Research and Education Foundation  
Host: Un Magaram (umagaram@ucsd.edu)

OCT 10  ERIKA HOLZBAUR, University of Pennsylvania  
Autophagy dynamics in neuronal homeostasis and neurodegeneration  
Host: Caroline Sferrazza (csferrazza@ucsd.edu)

OCT 17  YANGDAN, UC Berkeley  
Neural circuits controlling sleep  
Host: Megan Kirchgessner (mkirchgessner@ucsd.edu)

OCT 24  KONRAD KORDING, University of Pennsylvania  
What can machine learning do for neuroscience?  
Host: Marvin Theikl (mtheikl@ucsd.edu)

NOV 7  SAKET NAVLAKHA, Salk Institute / UC San Diego  
Using principles of odor processing to improve Google search  
Host: Maggie Henderson (mmehender@ucsd.edu)

NOV 21  CHRISTINA GREMEL, UC San Diego  
Drug dependence and disruption to corticostriatal control over action  
Host: Andre DeSouza (andesouz@ucsd.edu)

NOV 28  VIVEK JAYARAMAN, Janelia Research Campus  
Understanding attractor dynamics and abstract internal representations  
Host: Jason Keller (jakeeller@ucsd.edu)

DEC 5  PADMINI RANGAMANI, UC San Diego  
Mechanochemical modeling of dendritic spines  
Host: Un Magaram (umagaram@ucsd.edu)

DEC 12  HILLEL ADELSNII, UC Berkeley  
Optically probing the neural basis of perception  
Host: Ethan McBride (egmcbri@ucsd.edu)

JAN 9  SCOTT MAKEIG, UC San Diego  
Imaging human electromagnetic brain dynamics  
 Founder's Lecture in honor of Dr. Robert Golombas  
Sponsored by Neuroscience Research and Education Foundation  
Host: Stephanie Nelli (snelli@ucsd.edu)

JAN 16  NA JI, UC Berkeley  
Probing neural circuits with shaped light  
Host: Brad Theilman (btheilma@ucsd.edu)

JAN 23  HONGKUI ZENG, Allen Institute for Brain Science  
Genetic approaches to brain circuit mapping and cell type characterization  
Host: Norah Kolesky (nkolesky@ucsd.edu)

JAN 30  CRIS NIELL, University of Oregon  
Neural circuits for vision in action  
Host: Landon Klein (lklein@ucsd.edu)

FEB 6  BERNARDO SABATINI, Harvard Medical School  
Synapses and circuits of the basal ganglia  
Host: Kyle Fischer (kfischers@ucsd.edu)

FEB 13  SLIMAN BENSMAIA, University of Chicago  
Biological and bionic hands: Natural neural coding and artificial perception  
Host: Tom Killip (tkillip@ucsd.edu)

FEB 20  SPENCER SMITH, University of North Carolina  
Next generation multiphoton imaging reveals visual cortical areas acting in concert  
Host: Sam Asinof (sasinof@ucsd.edu)

FEB 27  NENAD SESTAN, Yale University  
Development and evolution of neural circuits of the cerebral cortex  
Host: Xi Jiang (xijiang@ucsd.edu)

MAR 13  MICHAEL SOFRONIEW, UC Los Angeles  
Astrocyte roles in CNS repair and regeneration  
Host: Kelsey Ladt (kladt@ucsd.edu)

MAR 20  SABINE KASTNER, Princeton University  
Neural dynamics of the primate attention network  
Host: Aaron Sampson (asampson@ucsd.edu)

APR 3  NANCY KANWISHER, M.I.T.  
fMRI investigations of the human brain as a window into the architecture of the human mind  
Founder's Lecture in honor of Dr. Robert Livingston  
Sponsored by Neuroscience Research and Education Foundation  
Host: Vy Vo (vyvo001@ucsd.edu)

APR 10  ANDRÉ FENTON, New York University  
The dynamic structure of cognition: If space was time  
Host: Geoffrey Diehl (gdiehl@ucsd.edu)

APR 17  GENEVIEVE KONOPKA, UT Southwestern  
Molecular networks of cognition  
Host: Peter Osseward (possewar@ucsd.edu)

APR 24  SUSUMU TONEGAWA, M.I.T. / RIKEN  
Mechanism of episodic memories  
Host: Stephen Johnston (stjohnst@ucsd.edu)

MAY 1  JEFFREY MAGEE, Baylor College of Medicine  
A fundamental microcircuit computation in hippocampus and neocortex  
Host: Anja Payne (ajpayne@ucsd.edu)

MAY 15  RUDOLPH TANZI, Harvard Medical School  
The growing role of innate immune genes in Alzheimer's Disease  
Host: Marc Marino (mmarino@ucsd.edu)

MAY 22  MICHAEL BRUCHAS, Washington University  
Dissecting neuromodulatory circuits and signaling in affective behavior  
Host: Margot Wohl (mwohl@ucsd.edu)

MAY 29  OLIVER HOBERT, Columbia University  
Organizational principles of nervous system development in C.elegans  
Host: Javier How (jhow@ucsd.edu)

JUN 5  ANATOL KREITZER, UC San Francisco  
Function of basal ganglia circuitry in movement and action selection  
Host: Dan Kroupland (dkroupland@ucsd.edu)

Seminar Series Committee:  
Kelsey Ladt, Sam Asinof, Maggie Henderson  
Geoff Diehl, Javier How, Stephen Johnston,  
Landon Klein, Catie Profaci, Alex Smirnov  
Faculty Advisors:  
Joseph Gravanis MD, Shelley Halpern PhD,  
Nicola Allen PhD, Jill Leutgeb RN

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