

**UC San Diego • Neurosciences Graduate Program**  
**2020-2021 NEUROSCIENCES SEMINAR SERIES**  
**Tuesdays @ 4:00 pm (unless otherwise noted\*\*)**

| Date                    | Speaker, Affiliation, Title   | Host  |
|-------------------------|---|---|
| 10/13/2020              | <b>ZHAOPING LI</b> , Universitaet Tuebingen<br><i>From V1SH to CPD in a new framework for understanding vision</i>  | Timothy Sheehan   |
| 10/20/2020              | <b>MARLA FELLER</b> , UC Berkeley<br><i>Spontaneous and evoked activity in the developing retina</i>  | Jess Du   |
| 11/3/2020<br>**9:00 am  | <b>CAMILLA BELLONE</b> , University of Geneva<br><i>Neural basis of social motivation</i>   | Jennifer Jensen   |
| 11/10/2020              | <b>YULONG LI</b> Peking University<br><i>Spying on endocannabinoid dynamics by constructing new genetically-encoded sensors</i>   | Chiaki Santiago   |
| 11/17/2020              | <b>ZHIGANG HE</b> , Harvard University<br><i>Microglia and neural repair</i>  | <u>Chair's Lecture in honor of Dr. Leon Thal</u><br>TBD                       |
| 11/24/2020              | <b>NACHUM ULANOVSKY</b> , Weismann<br><i>Neural codes for natural behaviors in flying bats</i>  | <u>Founder's Lecture in honor of Dr. Robert Galambos</u><br>Daniela Cassataro |
| 12/1/2020               | <b>MARIA LEHTINEN</b> , Boston Children's<br><i>Illuminating the choroid plexus-CSF system</i>  | Catie Profaci   |
| 12/8/2020               | <b>STEVE RAMIREZ</b> , Boston University<br><i>Artificially modulating positive and negative memory engrams in healthy and maladaptive states</i>   | Anja Payne  |
| 12/15/2020              | <b>CHRISTOF KOCH</b> , Allen Institute for Brain Science<br><i>Function Follows Structure – Large-Scale Neuropixels Survey of Spiking in the Mouse Visual System Reveals Functional Hierarchy</i> | Michael Metke   |
| 1/5/2021                | <b>MARIANA PICCIOTTO</b> , Yale University<br><i>Acetylcholine as a Neuromodulator: ACh signaling in the basolateral amygdala during reward learning</i>  | Christopher Lee   |
| 1/12/2021               | <b>ISHMAIL ABDUS-SABOOR</b><br><i>Neural circuit mechanisms and technologies for pain and social touch</i>  | Emily Baltz   |
| 1/19/2021               | <b>CARSEN STRINGER</b> , Janelia<br><i>High-dimensional visual computations in mice</i>   | Daniela Cassataro   |
| 1/26/2021               | <b>CLAIRE WYART</b> , ICM Paris<br><i>Sensing from within: shedding light on interoceptive sensory mechanisms in the spinal cord</i>  | Ben Temple  |
| 2/2/2021                | <b>SOLANGE BROWN</b> , Johns Hopkins University<br><i>Title TBD</i>   | Rachel Cassidy  |
| 2/16/2021               | <b>SCOTT RUSSO</b> , Mt. Sinai<br><i>Neural circuitry controlling social behavior</i>   | Christian Cazares   |
| 2/23/2021               | <b>JEFFREY KORDOWER</b> , Rush University<br><i>Pathophysiology and experimental therapeutics for Parkinson's disease and related disorders</i>   | <u>Chair's Lecture in honor of Dr. Robert Katzman</u><br>Seraphina Solders    |
| 3/2/2021                | <b>AMANDA BROWN</b> , John Hopkins University<br><i>Neuropathologic and Functional Consequences of HIV-Mediated Dysregulation of Brain Homeostasis</i>  | <u>Chair's Lecture in honor of Dr. John O'Brien</u><br>Joseph Herdy           |
| 3/9/2021                | <b>DARCEY KELLEY</b> , Columbia University<br><i>How do neural circuits for vocal communication evolve?</i>   | Jess Haley  |
| 3/16/2021               | <b>KARL FRISTON</b> , University College London<br><i>I am therefore I think</i>  | <u>Founder's Lecture in honor of Dr. Robert Livingston</u><br>Timothy Sheehan |
| 3/30/2021               | <b>OLAF SPORNS</b> , Indiana University<br><i>Network Organization and Dynamics of the Human Connectome</i>   | Seraphina Solders   |
| 4/6/2021                | <b>ANN HERMUNDSTAD</b> , Janelia Research Campus<br><i>Efficient and flexible internal representations to link sensation and action</i>   | Brad Theilman   |
| 4/13/2021               | <b>MARC CHURCHLAND</b> , Columbia University<br><i>Primate motor cortex exerts detailed control of muscle activity</i>  | Ben Temple  |
| 4/20/2021               | <b>PETER SCHEIFFELE</b> , Universitat Basel<br><i>Building functional neuronal circuits: From RNA splicing to Autism</i>  | Jess Du   |
| 4/27/2021               | <b>LOREN FRANK</b> , UC San Francisco<br><i>Memories and mental simulation</i>  | Ryan Golden   |
| 5/11/2021               | <b>TIM RYAN</b> , Weill Cornell Medicine<br><i>The cost of thinking and not thinking: metabolic vulnerabilities at the synapse</i>  | Host TBD  |
| 5/18/2021<br>**12:00 pm | <b>MICHAEL HAUSSER</b> , University College of London<br><i>All-optical interrogation of neural circuits during behaviour</i>   | Xiaochun Cai  |
| 5/25/2021               | <b>NATHAN SAWTELL</b> , Columbia University<br><i>Continual learning in a multi-layer network of an electric fish</i>   | <u>Founder's Lecture in honor of Dr. Theodore Bullock</u><br>Emily Baltz      |
| 6/1/2021                | <b>BO LI</b> , Cold Springs Harbor Laboratory<br><i>Dissecting the neural circuitry underlying motivational behaviors</i>   | Ege Yalcinbas   |
| 6/8/2021                | <b>TALIA LERNER</b> , Northwestern University<br><i>Dopaminergic Control of Compulsive Reward-Seeking</i>   | Christopher Lee   |
| 6/15/2021               | <b>MATTHEW BOTVINICK</b> , Northwestern University<br><i>Deep reinforcement learning and its neuroscientific implications</i>   | Ben Tsuda   |

**Founder's Day Lectures and Chair's Lectures are sponsored by the Neuroscience Education Research Foundation (NERF).**

**Seminar Series Committee: Students – Ryan Golden, Tim Sheehan, Ben Temple**

**Faculty - Joseph Gleason MD (Chair), Matthew Banghart, PhD, Richard Daneman, PhD, Tina Gremel, PhD, Jill Leutgeb PhD, Lara Rangel PhD**

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