Thursday, September 19, 2019

8:00 AM  Meeting in front of SBRI to board coach busses. Departure by 8:30am  

10:00 AM  Check in at the registration table in front of the Riverwoods Auditorium: pick up ID, leave luggage, coffee and snacks  

10:30 AM  Retreat Opening – Daniel McGehee and David Freedman  

Session I  

Moderator: Nelson Medina

10:40 AM  A.J. Carlson Memorial Lecture - I  

10:45 AM  Tianyi Mao (Vollum Institute, OHSU), Functional architecture and neuromodulation of the thalamo-cortico-striatal circuits.  

11:45 AM  John Maunsell, Updates on the Neuroscience Institute.  

12:00-1:00 PM  Lunch  

1:00 PM  Presentation of the new CON/CNS/IN cohort.  

1:30 PM  Ellie Heckscher (Molecular Genetics and Cell Biology), Time, Stem Cells and Motor Circuits.  

2:00-2:15 PM  Coffee break  

2:15 PM  Yang Zhou (Freedman lab, Neurobiology), Primate posterior parietal cortex plays a causal role in perceptual and categorical decisions.  

2:30 PM  Maayan Levy (MacLean lab, CNS), Network analysis of cortical dynamics implicates untuned neurons in visual stimulus coding.  

2:45 PM  Ken Onishi (Prendergast lab, IN), Unorthodox circadian rhythms in mice lacking commensal microbes.  

3:00 PM  Room assignments and coffee break  

3:30-5:30 PM  Recreational Activities (meet in courtyard to participate)
Breakout Discussion Groups  
(Meeting Rooms, TBA)

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<td>Ruth Anne Eatock and Paschalis Kratsios</td>
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<td>Jason MacLean and Dan McGehee</td>
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<td>Dan Margoliash, Matt Kaufman, Krithika Mohan</td>
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**Friday, September 20, 2019**

**7:00-8:00 PM**  
**Dinner**  
*(Q Center dining room)*

**8:15-9:45 PM**  
**Poster Session (with refreshments)**  
*Faculty organizer: Mark Sheffield*

**6:30-8:30 AM**  
**Breakfast served in the Q Center Dining Room**

**Session II**  
**Moderator: Maayan Levy**  
*(Riverwoods Amphitheater)*

- **9:00 AM**  
  Poster awards and other recognitions - Mark Sheffield

- **9:15 AM**  
  Matt Kaufman (Organismal Biology and Anatomy), A neural population approach to motor control and decision making.

- **9:45 AM**  
  Wanhai Chi (Zhuang lab, Neurobiology), Dopamine regulates foraging decision and fitness in *Drosophila*.

- **10:00 AM**  
  Lindsay Huang (Wei lab, CON), Contextual modulation of motion circuitry in the mammalian retina.

- **10:15 AM**  
  Katie Long (Bensmaia lab, MSTP – CNS), Is this good silk or cheap silk? High level representations of texture in lateral parietal cortex.

- **10:30-11 AM**  
  **Coffee Break**  
  *(Q Center Nourishment Hub)*

- **11:00 AM**  
  Jason MacLean, Updates on faculty teaching and the neuroscience major.

- **11:15 AM**  
  **A.J. Carlson Memorial Lecture - II**  
  Introduction – Engin Özkan

- **11:20 AM**  
  Matthew Dalva (Neuroscience, Thomas Jefferson University), Visualizing the dynamics in synaptic formation and function.

- **12:20 PM**  
  Retreat Closing – David Freedman and Daniel McGehee

- **12:30-1:30 PM**  
  **Lunch**  
  *(Q Center Dining Room)*

- **1:30 PM**  
  Transportation back to the University of Chicago campus; arrival expected around 3 PM.