

2018 Inaugural Meeting of the Florida Consortium on the Neurobiology of Cognition (FCNC)
Gainesville, FL May 17-18, 2018
Conference Program

Thursday May 17, 2017

- 3:00 pm Executive Board Meeting, Blue Gill Restaurant
4:00 – 5:30 pm Welcome reception **Blue Gill Restaurant**
1310 SW 13th St, Gainesville, FL 32608
lab introductions and organize small group dinners around Gainesville
5:30 pm Small group dinners (no host)

Friday May 18, 2017

- 9:00 am Welcome and opening remarks, DeWeese Auditorium
9:10-10:15 am Keynote address - **Lynn Nadel**, DeWeese Auditorium
"How Thinking About Memory Has Changed in the Past 35 Years"
10:15-10:30 am coffee break, DeWeese Auditorium

Data Blitz sessions and featured talks (DeWeese Auditorium):

- 10:30-11:30 am Data blitz session I: Cognitive development in childhood and advanced age**
Chair: Joseph McQuail, Ph.D.
- 10:30-10:37 Adam Kimbler (FIU)
"Pattern completion in the CA1 hippocampal subfield and negative overgeneralization in children with anxiety"
- 10:38-10:45 Ceasar Hernandez (UF)
"Effects of optogenetic inactivation of the basolateral amygdala in young and aged rats performing an intertemporal choice task"
- 10:46-10:53 Abbi Hernandez, Ph.D. (UF)
"Prefrontal Cortical-Medial Temporal Lobe Interactions in Advanced Age"
- 10:54-11:01 Gene Liu (UF)
"Systemic inflammation mediates age-related cognitive deficits"
- 11:02-11:09 Joseph McQuail, Ph.D. (UF)
"Influence of age- and stress-related neuroendocrine dysfunction on executive functions and synaptic markers in prefrontal cortex"
- 11:10-11:30 General Discussion
- 11:30-12:30 pm Data blitz session II: basic mechanisms of memory and cognitive disorders**
Chair: Maanasa Jayachandran
- 11:30-11:37 David Cinalli (FAU)
"Dorsal CA1 DREADD inactivation inhibits spatial and object memory recall"
- 11:38-11:45 Dylan Guenther (UF)
"Neuro physiological Modulation in the Ventral Tegmental Area in Response to Acute Methamphetamine use"
- 11:46-11:53 Christine Simmons (FSU)
"Parietal contributions to context-dependent spatial sequence learning"
- 11:54-12:01 Claire Rice Kuchera (FAU)
"Selective Activation of SK1 Channels Impairs Hippocampal-Dependent Memory"
- 12:02-12:09 Maanasa Jayachandran (FIU)
"Effects of Projection-Specific Inactivations of PL-to-RE and PL-to-PER/LEC on Memory for Sequences of Events"
- 12:10-12:30 General Discussion

- 12:30-1:30 pm** **Lunch Break, catered in DeWeese Auditorium**
- 1:30-2:00 pm** **Featured FCNC Talk – Aaron Mattfeld, Ph.D. (FIU)**
“Memories are for actions: Prospective hippocampal activations for successful conditional behavior”
- 2:00-2:30 pm** **Featured FCNC Talk – Sarah Johnson, Ph.D. (UF)**
“Hippocampal and cortical contributions to mnemonic discrimination across the lifespan”
- 2:30-3:30 pm** **Data blitz session III: Sex differences in behavior and vulnerability to disease**
Chair: Alina Stimmell
- 2:30-2:37 Sean Turner (UF)
“Rodent mnemonic similarity task performance: Sex differences in vulnerability to perforant path damage”
- 2:38-2:45 Shelby Bleas (UF)
“Effects of acute exposure to cannabis smoke on working memory performance”
- 2:46-2:53 Kristin Schoepfer (FSU)
“Investigating a neural circuit for anxiety: Sex differences and estrous modulation”
- 2:54-3:01 Caitlin Orsini, Ph.D. (UF)
“Sex differences in gonadal regulation of risky decision making in rats”
- 3:02-3:09 Alina Stimmell (FSU)
“Impaired Spatial Reorientation and Amyloidosis in the Dorsal Hippocampus of the 3xTg-AD Mouse Model of Alzheimer's Disease”
- 3:10-3:30 General Discussion
- 3:30-4:20 pm** **Data blitz session IV: Single units, Oscillations and Neural Dynamics**
Chair: Jack Kennedy
- 3:30-3:37 Nathan Schultheiss, Ph.D. (FIU)
“Hippocampal-prefrontal theta-gamma coupling modes in liberum”
- 3:38-3:45 Natalie DelRocco (UF)
“Network Metrics Identify Critical Role of Interneurons in Neural Circuits and Bilateral Synchronization of CA1”
- 3:46-3:53 Mandy Renfro (FIU)
“Differential functional interactions between hippocampus-medial prefrontal cortex and caudate-dorsolateral prefrontal cortex during conditional associative learning”
- 3:54-4:01 Jack Kennedy (UF)
“Velocity Modulation of Hippocampal Local Field Potential”
- 4:02-4:20 General Discussion
- 4:20-4:30** **Closing remarks**
- 6:00 pm** **Dinner at Bizon/Setlow home for FCNC group**
10316 SW 30th Lane (Wilds Plantation neighborhood, off of 24th Ave)

Saturday May 19, 2017

- 8:00 AM Explore Gainesville/Kayak trip in local springs or travel home

Confirmed Attendees:

PIs:

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