Neuroscience Retreat and Research Day

May 16, 2018

8:00 - 8:45	Coffee and Continental Breakfast
8:45	Opening remarks

Session I: Circuits and Behavior

9:00 - 9:20	Catherine von Reyn Visual feature integration within *Drosophila* escape circuits
9:25 - 9:45	Jessica Barson Neuropeptides in the thalamic paraventricular nucleus: Role in ingestive behavior
9:50 - 10:10	Kim Dougherty Genetically-defined spinal excitatory interneurons involved in locomotor rhythm generation
10:15 - 10:25	Zachary Brodnik (Graduate student, Espana Lab) Susceptibility to traumatic stress accelerates the development of cocaine-associated dopamine transients and drives cocaine use vulnerability
10:30 - 10:40	Kendall Schmidt (Graduate student, Giszter Lab) Optogenetically mediated neuromodulation of motor cortex enhances voluntary control of trunk below a complete midthoracic SCI in adult rats when paired with robot assisted rehabilitation
10:45	Break

Session II: Development and Plasticity

11:00 - 11:20	Dong Wang Neural circuit dynamics underlying learning and memory consolidation
11:25 - 11:45	Kazu Toyooka Novel Spotlight of Plxdc1 in Neurite Formation
11:50 - 12:10	Denise Garcia Cortical astrocytes are derived from two molecularly distinct progenitor populations
12:15 - 12:35	Michael Akins Presynaptic Fragile X Proteins and Synapse Formation
12:40	Lunch

Session III: Injury

2:00 - 2:20	Marie-Pascale Cote Rehabilitation improves sensorimotor function after SCI: a role for chloride co-transporters
2:25 - 2:45	Shaoping Hou Spinal endogenous dopamine regulates spontaneous micturition reflex after spinal cord injury
2:50 - 3:10	Megan Detloff
3:15 - 3:25	Lyandysha V. Zholudeva (Graduate student, Lane Lab) Cell Therapy for Repair following Cervical Spinal Cord Injury
3:30 - 3:40	Eugene Mironets (Graduate student, Tom Lab) Delaying pharmacological inhibition of spinal soluble tumor necrosis factor alpha (sTNFa) signaling diminishes the development of autonomic dysreflexia after complete high thoracic spinal cord injury
3:45	Break

Session IV: Pathology of the Nervous System

4:00 - 4:20	Seena Ajit A protective role for exosomes derived from macrophages in attenuation of pain
4:25 - 4:45	Sandhya Kortagere Levodopa induced dyskinesia: A Tango of Dopamine D1 and D3 Receptors
4:50 - 5:10	Huijuan Hu Store-operated calcium channels and pain plasticity
5:15 - 5:25	Priya Panikker (Graduate Student, Elefant Lab) Epigenetic Tip60 HAT/HDAC2 balance promotes cognitive function in an Alzheimer's disease *Drosophila* model
5:30	Wine and Cheese Reception