

Course credits: 1

Course description: This course (P/F) will give an overview of the wide range of research being carried out in the GSBS Neuroscience Graduate Program, and is open to all GS and MS students. Through presentations and discussions with a different faculty member each week, students will gain an appreciation for some of the fundamental ideas and unsolved questions in Neuroscience research, and become familiar with the experimental and theoretical approaches being used to tackle those questions.

Anyone with an interest in Neuroscience research is welcome to take this class. There are no exams or reading assignments, but students are expected to attend all presentations and to actively participate in class discussions.

This class will start as a virtual one. If the pandemic situation improved remarkably, we would reconsider being the in-person class in the future.

When & Where: Wednesdays, 1.00-2.00pm, WebEx

Course schedule: date/presenter/title

1-Sep	Qingchun Tong	Neurocircuits for feeding and obesity
8-Sep	Sheng Zhang	Mechanisms of neurodegenerative diseases
15-Sep	Kartik Venkatachalam	Roles for neuronal excitability and bioenergetics in the regulation of longevity
22-Sep	Jiaqian Wu	Integrative study of gene expression and transcriptional regulation in the CNS
29-Sep	Jian Hu	Lipid metabolism in neurological diseases
6-Oct	Valentin Dragoi	Cortical circuits for perception and decision making
13-Oct	Jack Byrne	Mechanisms of simple forms of learning and memory
20-Oct	Ruth Heidelberger	Mechanisms of neurotransmitter release
27-Oct	TBD	
3-Nov	Andrea Stavoe	Neuronal autophagy during aging and neurodegenerative disease
10-Nov	TBD	
17-Nov	Rodrigo Morales	Prion and prion-like proteins in neurodegenerative diseases
24-Nov	No-Class	No Class
1-Dec	Michael Zhu	Nonselective cation channels in neurobiology