GS14 1611 Current Topics in Neuroscience, Fall 2020
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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.

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

Course schedule:

9/9 Patrick Dougherty  Translational studies in pain research
9/16 Qingchun Tong  Neural circuits for feeding and stress-related behaviors
9/23 Valentin Dragoi  Cortical circuits for information processing and decision making
9/30 Jian Hu  Metabolism in brain tumor and neurodegeneration
10/7 Ruth Heidelberger  Mechanisms of neurotransmitter release in the mammalian retina
10/14 Christophe Ribelayga  Neural circuits for vision and daily plasticity
10/21 Rodrigo Morales  Role of misfolded proteins in neurodegenerative diseases
10/28 Jiaqian Wu  Gene transcription and regulation in the central nervous system
11/4 Fabricio Do Monte  Elucidating the neural circuits that regulate fear and reward interactions
11/11 Andrea Stavoe  Regulation and mechanisms of autophagy in neurons during aging
11/18 John H Byrne  Memory molecules and systems revealed by a small-brain system
12/2 Michael Beierlein  Thalamic circuits in health and disease