

NGG 5720: Core II-Electrical Language of Cells

Class time: 10:00 to 12:00 pm.

Location: Class 62 auditorium, John Morgan (room reserved 9:30 – 12:15 pm)

Course director: Akiva Cohen <COHENA@chop.edu>

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Schedule:

Tue Aug 27, 2024	Course orientation (Cohen)/ Reproducibility (Fuccillo)
Thu Aug 29, 2024	Passive properties of neurons (Alex Proekt)
Tue Sep 3, 2024	Active membrane properties I (Alex Proekt)
	Core II Lunch - get to know your instructors 12 pm to 1:30pm (Barchi)
Thu Sep 5, 2024	Active membrane properties II (Alex Proekt)
Tue Sep 10, 2024	Active membrane properties III (Alex Proekt)
Thu Sep 12, 2024	Neurotransmitters and receptors (Nusbaum)
Tue Sep 17, 2024	Synaptic transmission I (Nusbaum)
Thu Sep 19, 2024	Synaptic transmission II (Nusbaum)
	Review/Discussion by Nusbaum 12:00 pm to 1:00 pm
Tue Sep 24, 2024	Neuroscience in Practice I (Cohen, Fuccillo, Chanaday, Goldberg)
Thu Sep 26, 2024	Neuroscience in Practice II (Cohen, Fuccillo, Chanaday, Goldberg)
	Exam I questions released at 12 pm
Tue Oct 1, 2024	No class
Thu Oct 3, 2024	Presynaptic mechanisms I (Chanaday)
	Assignment Exam I answers due 5 pm
Tue Oct 8, 2024	No class (SfN Oct 5-9)
Thu Oct 10, 2024	Presynaptic mechanisms II (Chanaday)
Tue Oct 15, 2024	Presynaptic mechanisms III (Chanaday)
Thu Oct 17, 2024	CNS synapses I (Eric Marsh)
Tue Oct 22, 2024	CNS synapses II (Don Joseph)

Thu Oct 24, 2024	CNS synapses III (Don Joseph)
Tue Oct 29, 2024	Optogenetics (Goldberg)/imaging
	Exam II questions released 12 pm
Thu Oct 31, 2024	Synaptic plasticity I (Fuccillo)
Tue Nov 5, 2024	Synaptic plasticity II (Fuccillo)
	Assignment Exam II answers due 5 pm
Thu Nov 7, 2024	Synaptic plasticity III (Fuccillo)
Tue Nov 12, 2024	Sensory transduction I (Ma)
Thu Nov 14, 2024	Sensory transduction II (Ma)
Tue Nov 19, 2024	Sensory transduction III (Ma)
Thu Nov 21, 2024	Neuronal circuit I (Nusbaum)
Tue Nov 26, 2024	Neuronal circuit II (Nusbaum)
Thu Nov 28, 2024	NO CLASS meeting (Thanksgiving)
Tue Dec 3, 2024	Neuronal circuit III (Nusbaum)
Thu Dec 5, 2024	Neuronal circuit IV (Nusbaum)
	Review/Discussion by Nusbaum 12:00 pm to 1:00 pm
Tue Dec 10, 2024	Exam III questions released
Thu Dec 17, 2024	Assignment Exam III answers due by 5pm