



NYU Computational Neuroscience Symposium

Wednesday June 6, 2018

Hebrew Union College, 1 W 4th St

Registration: <https://www.eventbrite.com/e/nyu-computational-neuroscience-symposium-june-6-tickets-46296518132?aff=GeneralAdmission>

The Computational Neuroscience Symposium brings together the computational neuroscience community across departments at NYU, and highlights work by trainees and faculty in NYU's Training Program in Computational Neuroscience (TPCN). The symposium also features an external keynote speaker.

- 09:30-09:40** **Introduction by the TPCN program directors, Wei Ji Ma and Xiao-Jing Wang**
- 09:40-10:20 Keynote lecture: Deanna Barch (Washington University at St Louis)
Computational contributions to understanding impaired hedonic anticipation and motivation in psychosis
- 10:25-10:40 Graduate trainee talk: Daniel Levenstein (mentors: John Rinzel, Gyorgy Buzsaki)
Excitable dynamics of NREM sleep: a unifying model for neocortex and hippocampus
- 10:45-11:00 Undergraduate trainee talk: Olga Zhurakivska (mentor: Lynne Kiorpes)
Perceptual decision-making in individuals with amblyopia
- 11:00-11:15** **Coffee break**
- 11:15-11:30 Graduate trainee talk: Long Sha (mentor: Roozbeh Kiani)
Neural mechanisms of perceptual learning in the frontal eye fields
- 11:35-11:55 Faculty talk: Paul Glimcher
Dynamical divisive normalization and choice behavior
- 12:00-12:20 Faculty talk: Lai-Sang Young
Emergent dynamics in a network model of cortex
- 12:20-2:00** **Lunch break**
- 2:00-2:40 Keynote lecture: Kyunghyun Cho
From sequential generation to parallel generation of a sentence, in the context of neural machine translation
- 2:45-3:00 Undergraduate trainee talk: Michael Zhu (mentor: Biyu He)
Effects of transcranial direct-current stimulation on visual ambiguous perception
- 3:05-3:20 Undergraduate trainee talk: Jonathan Gornet (mentors: John Rinzel, Gyorgy Buzsaki)
Learning balance in a spiking neural network
- 3:20-3:35** **Coffee break**
- 3:35-3:55 Faculty talk: Catherine Hartley
Computational heterogeneity in extinction learning across individuals
- 4:00-4:20 Faculty talk: Bijan Pesaran
Large scale multimodal analysis of brain networks - present and future
- 4:30** **Reception in Meyer Hall, 4 Washington Place, Room 551**