

NYU Computational Neuroscience Symposium: June 3

Monday June 3, 2019

Meyer Hall Room 636

This symposium will bring together the computational neuroscience community across departments at NYU and highlight work by trainees and faculty in NYU's Training Program in Computational Neuroscience (TPCN). The symposium also features an external keynote speaker. An NYU ID is needed to enter the building. If you are non-NYU, please email Will Thompson at william.thompson@nyu.edu to be added to the guest list.

09:30-09:40 Introduction by the TPCN program directors, Wei Ji Ma and Xiao-Jing Wang

09:40-10:20 Keynote lecture: Daniel Wolpert (Columbia University)
Computations in sensorimotor control and decision making

10:25-10:40 Graduate trainee talk: EG Gaffin-Cahn (mentor: Michael Landy)
Does the motor system plan for anticipated error?

10:45-11:00 Undergraduate trainee talk: Sophie Dvali (mentor: Marc Gershow)
Information transmission in Drosophila larval navigational decisions

11:05-11:20 Coffee break

11:20-11:35 Graduate trainee talk: Kathryn McClain (mentors: David Heeger)

and Gyorgy Buzsaki)

Parametric model of place cell activity

11:40-12:10 Faculty talk: Kathy Nagel (NYU Neuroscience Institute),
Algorithms and circuits for olfactory navigation in Drosophila

12:15-1:30 Lunch break

1:30-2:10 Keynote lecture: Christine Constantinople (NYU Center for Neural Science)
Neural basis of dynamic risk preferences

2:15-2:30 Undergraduate trainee talk: Lydia Cassard (mentor: Eero Simoncelli)
Temporal straightening capabilities of models for human vision

2:35-3:05 Faculty talk: Dmitri Chklovskii (NYU Neuroscience Institute)
How insects see motion: convergence of theory and experiment

3:10-3:25 Coffee break

3:25-3:55 Faculty talk: John Rinzel (NYU Center for Neural Science)
Noisy competition for percept dominance amidst ambiguity

4:00-4:30 Faculty talk: Moira Dillon (NYU Department of Psychology)
Randomly walking with Euclid

4:30-5:30 Reception