

2020 Quantitative Biology Bootcamp

Quantitative Biology Program, Brandeis University

Friday, January 10, 2020

Unless otherwise announced, all events are in the Mandel Center for the Humanities, Room G03

- 8:30-9:00 am** Breakfast and Registration -- Location: Mandel Forum
- 9:00-9:05 am** Welcome (Jeff Gelles)
- 9:05-9:40 am** Lightning Talks (Campers)
- 9:40-10:40 am** HHMI Interfaces Scholar Award Lecture: Timothy Wiggin (Neuroscience)
"Technology is Overcoming Reductionism in Neuroscience"
- 10:40-11:00 am** Student-led discussion/Coffee break
- 11:00-12:00 pm** Faculty lecture: Alex Bisson, Assistant Professor of Biology,
"The shape of water: molecular mechanisms of pleomorphism in archaea"
- 12:00-12:10 pm** Student-led discussion
- 12:10-1:30 pm** Lunch
- 1:30-2:30 pm** Faculty lecture: Seth Fraden, Professor of Physics, "y"
- 2:30-2:45 pm** Student-led discussion
- 2:45-3:45 pm** Keynote Lecture: Karine Gibbs, Associate Professor of Molecular and Cellular
Biology, Harvard University. "Lessons from nntity
shapes community assembly and movement"
- 3:45-4:00 pm** Student-led discussion/Coffee Break
- 4:00-5:30 pm** QB computation exercise: Douglas Theobald, Associate Professor of Biochemistry,
"Choosing the best scientific model for your data"
- 5:30-5:40 pm** Bootcamp wrap-up (Jeff Gelles)
- 6:00-7:30 pm** QB Dinner: Shoppers Café, 731 Moody Street