

2018 Quantitative Biology Bootcamp Quantitative Biology Program, Brandeis University

Tuesday, January 9, 2018

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

- 8:30-9:00** Breakfast -- Location: Mandel Forum

- 9:00-9:10** Welcome (Jane Kondev and Jeff Gelles)

- 9:10-10:00** Lightning talks (Campers)

- 10:00-10:30** Coffee

- 10:30-11:30** QB/HHMI Prize lecture, Shashank Shekhar
"Drunken sailors and sober cells, the ways they move"

- 11:30 -11:45** Student-led discussion

- 11:45-1:00** Lunch

- 1:00-2:30** QB computational exercise, Jeff Gelles
"The evils of censorship: biased sampling of experimental data and how to fix it"

- 2:30-3:30** Faculty lecture, Paul Garrity (Biology)
"Hot and spicy to cold and clammy: the molecular mechanisms of sensory detection"

- 3:30-3:45** Student-Led Discussion and Coffee Break

- 3:45-4:30** Panel Discussion: "What's next? Careers in and out of academia"
Jeff Boucher (Ginkgo Bioworks, Inc.)
Melisa Osborne (Boston University)
Anique Olivier-Mason (Brandeis)

- 4:30-5:30** Keynote Lecture: Ahmad ("Mo") Khalil (Boston University, Bioengineering)
"Epigenetics and evolution in the age of synthetic biology"

- 5:30-5:40** Student led discussion / Wrap up

- 6:00-7:30** QB Dinner: Shoppers Café, 731 Moody Street