

2014 Quantitative Biology Bootcamp

Quantitative Biology Program, Brandeis University

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

Thursday, January 9, 2014

- 8:30-9:00 Breakfast- Location: Mandel Forum
- 9:00-9:10 Welcome (Jeff Gelles, Jane Kondev) Location: Mandel G03
- 9:10-10:10 Faculty lecture (David DeRosier)
"Analyzing scientific images with Fourier transforms"
- 10:10-10:40 Student-led discussion/Coffee- Location: Mandel Forum
- 10:40-11:40 Prize lecture I (Axel Brilot):
"An introduction to electron cryo-microscopy, and how I cold-nuked my sample into insights about ribosome function"
- 11:40-12:00 Student-led discussion
- 12:00-1:00 Lunch-Location: Mandel Forum
- 1:00-2:00 Panel Discussion: (Rachel Woodruff, Emily Westover, Thaya Paramanathan) "College and University Teaching Jobs: How to Get One; What to Expect".
- 2:00-3:00 Faculty lecture (Avi Rodal):
"Signals on the move: intracellular transport of molecular messengers"
- 3:00-3:30 Student-led discussion/Coffee Break Location Mandel Forum
- 3:30-4:30 Annual QB SLAM competition
- 4:30-5:30 Prize lecture II (Axel Brilot/Kyle Harrington):
"Bridging Structure and Evolution"
- 5:30-5:45 Student-led discussion

Friday, January 10, 2014

- 8:45-9:15 Breakfast: Location: Mandel Forum
- 9:15-9:25 Travel to Goldfarb Computer Cluster (Mezzanine)
- 9:25-12:25 "What's in the black box" virtual experiment lab
(10:30 Coffee break in Gardner Jackson Room, Mezzanine 215)
- 12:25-1:25 Lunch- Location: Mandel Forum
- 1:25-2:25 Virtual experiment lab presentations and discussion: Mandel G03
- 2:25-3:25 Prize lecture III (Kyle Harrington):
"Evolution, the First Programmer"
- 3:25-3:55 Student led discussion/Coffee Break Location: Mandel Forum
- 3:55-4:55 Keynote Lecture: (Sharad Ramanathan, Harvard Univ.):
"Attempts at controlling biological circuits"
- 4:55-5:15 Student led discussion / Wrap up
- 5:30-7:30 Dinner: Shoppers Café, 731 Moody Street