

2015 Quantitative Biology Bootcamp

Quantitative Biology Program, Brandeis University

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

Thursday, February 19, 2015

- 8:30-9:00 Breakfast -- Location: Mandel Forum
- 9:00-9:10 Welcome (Jeff Gelles, Jane Kondev)
- 9:10-10:10 Keynote lecture (Dan Needleman, MCB and Applied Physics, Harvard Univ.)
"Physical Aspects of Spindle Assembly"
- 10:10-10:40 Student-led discussion/Coffee -- Location: Mandel Forum
- 10:40-11:40 Prize lecture I (Belinda Barbagallo):
"How do we map the pathways underlying behavior?"
- 11:40-12:00 Student-led discussion
- 12:00-1:00 Lunch -- Location: Mandel Forum
- 1:00-2:00 Panel Discussion (Leah Burrows, Don Katz, Chris Miller, Avital Rodal)
"Writing for an audience of multiple disciplines".
- 2:00-3:00 Faculty lecture (Mike Hagan)
"How a virus finds a needle in a haystack"
- 3:00-3:30 Student-led discussion/Coffee -- Location: Mandel Forum
- 3:30-4:30 Annual QB SLAM competition
- 4:30-5:30 Prize lecture II (Belinda Barbagallo):
"Technologies for quantifying the physical basis of behavior"
- 5:30-5:45 Student-led discussion

Friday, February 20, 2015

- 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
- 2:25-3:40 Prize lecture III (Belinda Barbagallo):
"Behavior workshop"
- 3:40-3:55 Coffee -- Location: Mandel Forum
- 3:55-4:55 Keynote Lecture: (Stirling Churchman, Systems Bio, Harvard Med):
"Visualizing human transcription at nucleotide resolution using native elongating transcript sequencing"
- 4:55-5:15 Student led discussion / Wrap up
- 5:30-7:30 Dinner: Shoppers Café, 731 Moody Street