

**2016 Quantitative Biology Bootcamp**  
**Quantitative Biology Program, Brandeis University**  
**Friday, January 8, 2016**

Unless otherwise specified, all events are in the Mandel Center for the Humanities, Room G12

- 8:30-9:00 Breakfast -- Location: Mandel Forum
  
- 9:00-9:10 Welcome (Jeff Gelles, Jane Kondev)
  
- 9:10-10:10 Faculty lecture (Zvonimir Dogic)  
"Spontaneous flows in soft active gels"
  
- 10:10-10:30 Student-led discussion/Coffee
  
- 10:30-11:30 QB/HHMI Prize lecture, Charlotte Kelley:  
"All bent out of shape : how cells control membrane curvature"
  
- 11:30 -11:45 Student-led discussion
  
- 11:45-1:00 Lunch
  
- 1:00-2:15 Computational exercise: "Bootstrapping with Mr. Jeff"
  
- 2:15-3:00 Panel Discussion (Seth Fraden, Bruce Goode, Paul Miller, Jane Kondev)  
"How to work together: fostering successful scientific collaborations"
  
- 3:00-4:00 Faculty lecture (Eve Marder)  
"Computational and Experimental Studies of Degeneracy in Neuronal and Circuit Function"
  
- 4:00-4:20 Student-led discussion/Coffee
  
- 4:20-5:20 Keynote Lecture: Radhika Subramanian (MGH/Harvard Med. School)  
"Cellular lego: constructing cellular structures from protein building blocks"
  
- 5:20-5:30 Student led discussion / Wrap up
  
- 5:45-7:30 Dinner: Shoppers Café, 731 Moody Street