

Quantitative Biology Bootcamp
 Brandeis University
 January 13 (Sunday) and January 14 (Monday), 2008
 Heller School (new building), Classroom 163

Please note: Buffet will be arranged in Heller Conference Room 144, with the exception of dinner on 1/14 (refer below)

Sunday, January 13

- 9:00-9:30 Breakfast
 9:30-10:30 Prize lecture (James Chen)
 1. Introduction to molecular electron microscopy
 10:30-11:15 Student-led discussion/Coffee
 11:15-12:15 Faculty lecture (Bruce Goode): "Demolition of actin filaments by the passive aggressive behavior of a mega-dalton protein complex"
 12:15-12:30 Student led discussion
 12:30-1:30 Lunch
 1:30-2:30 Faculty lecture (Chris Miller): "Coupling of energy sources to membrane transport proteins"
 2:30-3:15 Student-led discussion/Coffee
 3:15-4:15 Prize lecture (James Chen)
 2. Data analysis in single-particle EM
 4:15-4:30 Student-led discussion
 4:30-5:30 Faculty lecture (Mike Hagan): "How to build a virus -- does one size fit all?"
 5:30-5:45 Discussion

Monday, January 14

- 9:00-9:30 Breakfast
 9:30-10:30 Faculty lecture (Paul Miller): "'Slowing down the brain: how do fast neural processes give us time to think?'"
 10:30-11:00 Student led discussion/Coffee
 11:00-12:00 Faculty panel (Jeff Gelles, Doro Kern, Paul Miller, and Jane' Kondev)
 "War stories: the challenge of presenting research to a multi-disciplinary audience"
 12:00-1:30 Lunch
 1:30-2:30 Prize lecture (James Chen)
 3. EM structural analysis
 2:30-3:00 Student led discussion/Coffee
 3:15-4:15 Computer Lab (Jeff Gelles)-Goldfarb Classroom
 4:30-5:30 Faculty lecture (Jane' Kondev): "Rods, ropes, and chromosomes"
 5:30-6:00 Student led discussion
 6:30-8:00 Dinner: Jakes Dixie Roadhouse, 220 Moody Street, Waltham
 (buffet includes both vegetarian and non-vegetarian fare)