Quantitative Biology Bootcamp  
Brandeis University  
January 16 (Sunday) and January 17 (Monday), 2011  
Heller School 163

Entrance via front door IRVING SCHNEIDER & FAMILY HELLER SCHOOL FOR SOCIAL POLICY & MANAGEMENT (newer Heller bldg) will be open from 8am to 5pm on Sunday and 8am to 5:15pm on Monday (If NOT call x68500).

Buffet arranged in Heller 144 (except where noted)

Sunday, January 16, 2011

8:45-9:15 .......... Breakfast
9:15-9:25 .......... Welcome (Jeff Gelles, Jané Kondev)
9:25-10:25 ......... Faculty Lecture: Steve Van Hooser  
   Imaging the brain under development using 2-photon microscopy and statistics
10:25-10:55 ...... Student-led Discussion (Axel Brilot) / Coffee
10:55-11:55 ...... Prize Lecture (Adelajda Zorba)  
   Biology of HIV-1 Assembly
11:55-12:10 ...... Student-led Discussion (Matt Beverly)
12:10-1:10 ........ Lunch
1:10-2:10.......... Faculty Lecture: Nelson Lau  
   Digital RNA metabolism: Using deep sequencing to quantitate gene expression and to study mechanism
2:10-2:25........ Student-led Discussion (Jeff Boucher)
2:25-3:25......... Panel Discussion: Greg Petsko, Bruce Goode, Jané Kondev  
   Writing interdisciplinary papers. What to do. What not to do.
3:25-3:40......... Discussion (Jane’ Kondev) / Coffee
3:40-4:40......... Prize Lecture (Adelajda Zorba)  
   Structural Characterization of HIB-1 Assembly
4:40-4:55......... Student-led Discussion (Josué Alfaro)
5:45-7:45.......... Dinner: Erawan of Siam  
   Dinner including non-alcoholic beverages courtesy of the QB Program / strictly cash bar

Monday, January 17, 2011

8:45-9:15.......... Breakfast
9:15-9:25.......... travel to Goldfarb Computer Classroom (Mezzanine)
9:25-12:25 ........ Computation Exercise (Paul Miller)  
   When Space Trumps Time: Modeling Dynamic Spatial Patterns with Matlab
10:30 ..........Coffee break Robbins Study Room 225
12:25-1:25....... Lunch
1:25-2:25.......... Computational Exercise Presentations and Discussion (Paul Miller):  
   QB Challenge Presentations and Discussion
2:25-3:25......... Prize lecture (Adelajda Zorba)  
   Complex NMR Tutorial on Semi-Automatic Assignment of HIV-1 CTD Dimer
3:25-3:55......... Student-led Discussion (Matt Perkett) / Coffee
3:55-4:55......... Faculty Lecture: Dan Oprian  
   Phototransduction, membrane proteins, and nanodiscs
4:55-5:15......... Student-led Discussion (Al Hamood) / Wrap up