POST-DOC AND GRADUATE STUDENT SYMPOSIUM PROGRAM
Center for the Physics of Living Cells
Thursday, August 26th, 2010
1005 Beckman Institute
University of Illinois at Urbana-Champaign

8:30 – 9:00 a.m.  Continental Breakfast

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9:00 – 9:15 a.m.  Bo Liu  Interplay of L1 stalk and tRNA
9:15 – 9:30 a.m.  Kiran Girdhar  In vivo protein folding dynamics and statistical analysis of swimming behavior in zebrafish embryos
9:30 – 9:45 a.m.  Elijah Roberts  Noise contributions in an inducible genetic switch: A whole-cell simulation study
9:45 – 10:00 a.m.  Taejin Lance Min  Bacterial chemotaxis studied using optical traps
10:00 – 10:15 a.m.  Tyler Earnest  Kinetic modeling of PCNA assisted replication clamp assembly
10:15 – 10:30 a.m.  Hannah Deberg  Measuring ion channel intersubunit distances
10:30 – 10:45 a.m.  Shyamal Subramanyam  Keeping recombination in check: Regulation of Rad51 recombinase by posttranslational modifications
10:45 – 11:00 a.m.  Tao Jiang  MD simulation study of transition between apo-RecA and ATP-RecA states

11:00 – 11:45 a.m.  Break – Food and Beverages Provided

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11:45 – 12:00 p.m.  Mike Brenner  Fluorescence-force spectroscopy of repeat protein motifs
12:00 – 12:15 p.m.  Rogan Carr  The role of water in protein binding to functionalized inorganic surfaces
12:15 – 12:30 p.m.  Fangfu Ye  Relation between the flagellar number and tumbling frequency of Escherichia coli
12:30 – 12:45 p.m.  Xuefeng Wang  Single-molecule immunoprecipitation (SiMPull) based on single cells
12:45 – 1:00 p.m.  Divya Srinivasan  Single viral RNA, host protein interaction in cells
1:00 – 1:15 p.m.  Zhenyu Wang  Game theory and the social life of microbes