mini Workshop on...

Non-equilibrium Statistical Mechanics: a bridge from physics to biology

Physics Department, Virginia Tech, Blacksburg, VA, USA
December 11th, 2008  Robeson 210

8:50  Royce Zia: Welcome

9:00  Rosemary Harris (Queen Mary, London, UK)
Traffic of cytoskeletal motors with disordered attachment rates

9:45  Leah Shaw (William and Mary, Williamsburg, VA)
Epidemic Spread on Adaptive Social Networks

10:30  coffee/tea break

Chair: Beate Schmittmann

10:45  Sumedha (Brandeis, Waltham, MA)
A thermodynamic mechanism for the agglomeration of DNA-looping proteins

11:30  Jay Mettetal (Systems Biology Group, Pfizer, Cambridge, MA)
Stochastic switching as a survival strategy in fluctuating environments

12:15  lunch

Chair: Rosemary Harris

1:45  Thierry Platini (Virginia Tech)
Out of equilibrium bosons on a one-dimensional optical random lattice

2:30  Jiajia Dong (Hamline, St. Paul, MN)
“Edge effects” in TASEP and insights from mean-field approaches

3:15  coffee/tea break

3:30  Short talks (PhD candidates at Virginia Tech); Chair: Leah Shaw
Yen Chou, Jon Cook, Sven Dorosz, Tao Jia, Sayak Mukherjee, Matt Raum, …

6:00  Beate Schmittmann: Closing remarks and… dinner

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