

Center for the Physics of Living Cells
Post-Doc and Graduate Student Symposium
Friday, September 30th, 2011
1005 Beckman Institute
University of Illinois at Urbana-Champaign

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| 8:30 – 9:00 am | Continental Breakfast |
| 9:00 – 9:15 am | Ke Chen <i>A study of ribosomal assembly using the structure-based Go model</i> |
| 9:15 – 9:30 am | Divya Srinivasan <i>Probing single viral RNA-protein complexes</i> |
| 9:30 – 9:45 am | Tyler Earnest <i>Switching rates in a three-state genetic switch</i> |
| 9:45 – 10:00 am | Ruobing Zhang <i>Understanding resistance to anti-EGFR treatment for breast cancer by super-resolution imaging</i> |
| 10:00 – 10:15 am | Break |
| 10:15 – 10:30 am | Shyamal Subramanyam <i>Keeping human Rad51 in check</i> |
| 10:30 – 10:45 am | Jejoong Yoo <i>New insights on DNA-DNA and DNA-ion interactions from MD simulations of a DNA array</i> |
| 10:45 – 11:00 am | Kyung Suk Lee <i>Single molecule dynamics on a long ssDNA</i> |
| 11:00 – 11:15 am | Johan Strumpfer <i>How quantum coherence assist bacterial light harvesting</i> |
| 11:15 – 11:30 am | Zhi Qi <i>Sequence-dependent base-pair stepping dynamics in XPD helicase unwinding</i> |
| 11:30 am – 12:30 pm | Lunch |
| 12:30 – 12:45 pm | Kiran Girdhar <i>The EigenFish: EigenModes of zebrafish locomotion</i> |
| 12:45 – 1:00 pm | Zhenyu Wang <i>Fighting the emergence of antibiotic resistance using population biology models</i> |
| 1:00 – 1:15 pm | Jingyi Fei <i>Localization of non-coding RNA MALAT1 in nuclear speckles</i> |