

CPLC/Biophysics Graduate Student/Postdoc Symposium

Wednesday, December 2nd, 2015 - Room 1005 Beckman Institute

Student Hosts: Tatyana Perlova and Chen-Yu Li

Organization: Chemla and Aksimentiev groups

- 8:30 am Coffee
- 9:00 am **Farshid Jafarpour** (Goldenfeld group)
How noise made you left-handed
- 9:15 am **Jichuan Zhang** (Ha group)
Live cell RNA imaging using tandem array of RNA mimics of GFP
- 9:30 am **Joe Peterson** (Luthey-Schulten group)
Effects of DNA Replication on mRNA Noise
- 9:45 am Discussion / Coffee Break / Raffle #1
- 10:00 am **Abhishek Singharoy** (Schulten group)
How hexameric protein-protein interfaces harness energy within molecular motors: Revisiting ATP synthase
- 10:15 am **Barbara Stekas** (Chemla group)
TBD
- 10:30 am **Luke Cuculis** (Schroeder group)
Direct observation of TALE search dynamics reveals a novel helical zip-line mechanism
- 10:45 am Discussion / Coffee Break / Raffle #2
- 11:00 am **Enes Kotil** (Jakobsson group)
A predator-prey model of sustainable antimicrobial therapy
- 11:15 am **Kapil Dave** (Gruebele group)
Effect of fluorescent protein tags on protein stability: temperature and pressure denaturation of PGK
- 11:30 am **Nick Sherer** (Kuhlman group)
Real time transposable element activity in individual live cells
- 11:45 am Discussion / Coffee Break / Raffle #3
- 12:00 pm **Pei-chen Peng** (Sinha group)
Modeling gene expression from sequence, using DNA-shape based descriptors of transcription factor binding sites
- 12:15 pm **Sang Hak Lee** (Selvin group)
TBD
- 12:45 pm Voting for the Best Speaker/ Discussion / Announcement of the Best Speaker