

Virtual Networking Event: Stochastic dynamics and physics of protein-DNA interaction

June 10 Fri 9 am-12 pm PT

FREE ONLINE REGISTRATION: <https://www.biophysics.org/upcoming-networking-events/virtual-networking-event-stochastic-dynamics-and-physics-of-protein-dna-interaction>

Program Schedule:

9:00 -9:05 am *Opening Remarks*

9:05 -9:25 am Anatoly Kolomeisky from Rice U
HOW PIONEER TRANSCRIPTION FACTORS SEARCH FOR TARGET SITES ON NUCLEOSOMAL DNA

9:25-9:45 am: Andy Spakowitz from Stanford
Impact of Chromosomal Organization on Epigenetic Drift and Domain Stability Revealed by Physics-Based Simulations

9:45-10:05 am Zeba Wunderlich from Boston U
Molecular Competition in Gene Regulation

10:05 -10:30 am *Panel Discussion (I)*

Optional Breakout Rooms (10:20-10:30 am)

10:30-10:50 am Ailong Ke from Cornell
High-resolution understanding of the spacer acquisition mechanism in CRISPR-Cas systems

10:50-11:10 am Jikui Song from UCR
The role of substrate deformation in context-dependent non-CG DNA methylation

11:10-11:30 am Ioan Andricioaei from UCI Computer Simulations of Protein-DNA Interactions using Kirchhoff's Elastic Rod Theory

11:30 -12:00 pm *Panel Discussion (II)*

Optional Breakout Rooms (12:00-12:30 pm)

Meeting Website: <https://sites.uci.edu/bsne/>
Event organized by Jin Yu (jin.yu@uci.edu) <https://sites.uci.edu/jinyulab/>
& Elizabeth Read (elread@uci.edu) <https://readlab.eng.uci.edu/>