



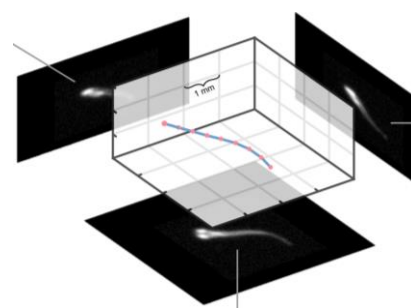
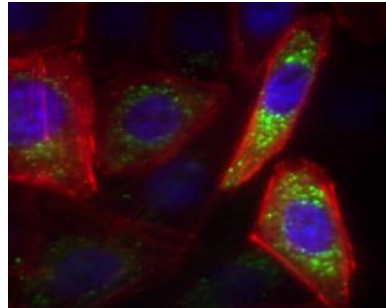
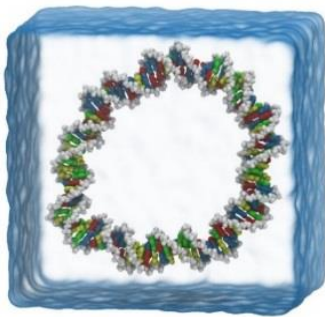
2018 PHYSICS OF LIVING CELLS SUMMER SCHOOL



MULTISCALE APPROACHES TO QUANTIFYING AND MODELING THE LIVING CELL

*Offered by the NSF Physics Frontiers Center for the Physics of Living Cells (CPLC)
University of Illinois at Urbana-Champaign*

July 22 – 28, 2018



The mission of the Center for the Physics of Living Cells at the University of Illinois is to create a quantitative, predictive, and physically-based description of living systems. The 2018 CPLC Summer School will offer multi-scale training in the latest experimental, computational, and theoretical biophysical approaches in the following themes:

SCIENTIFIC THEMES: *Physics of DNA, RNA Regulation in Eukaryotes, Quantitative Imaging and Cell Simulation of Small Regulatory RNA, Evolution of Chemotaxis, Neurobiology*

PARTICIPATING FACULTY: *Alek Aksimentiev, Yann Chemla, Jingyi Fei, Martin Gruebele, Aaron Hoskins, Nigel Goldenfeld, Taekjip Ha, Seppe Kuehn, Tom Kuhlman, Zaida Luthey-Schulten, Sua Myong, Paul Selvin, Jun Song, Kai Zhang*

This summer school is designed for graduate students, postdoctoral fellows, and researchers in physics, biophysics, chemical and life sciences, and engineering who seek to expand their research skills into these areas. The workshop will comprise lectures and hands-on training in specific topics and tools.

To learn more and apply, please visit <http://cplc.illinois.edu/summerschool2018/>

Application Deadline: extended to April 1, 2018
Selection and notification of participants by late April 2018
Registration Fee: \$100 students; \$175 postdocs; \$250 all others
Housing and all course materials will be provided.