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 2019 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, Bacterial Gene Expression in Space, Time, and Numbers, Quantitative Imaging and Cell Simulation of Small Regulatory RNA, Evolution of Chemotaxis, Neurobiology, Liquid-Liquid Phase Separation: Molecules to Cells

**PARTICIPATING FACULTY:** Alek Aksimentiev, Yann Chemla, Jingyi Fei, Ido Golding, Martin Gruebele, Nigel Goldenfeld, Taekjip Ha, Sangjin Kim, 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/summerschool2019](http://cplc.illinois.edu/summerschool2019)

**Application Deadline:** April 1, 2019

Selection and notification of participants by late April 2019

**Registration Fee:** $100 students; $175 postdocs; $250 all others

Housing and all course materials will be provided.