

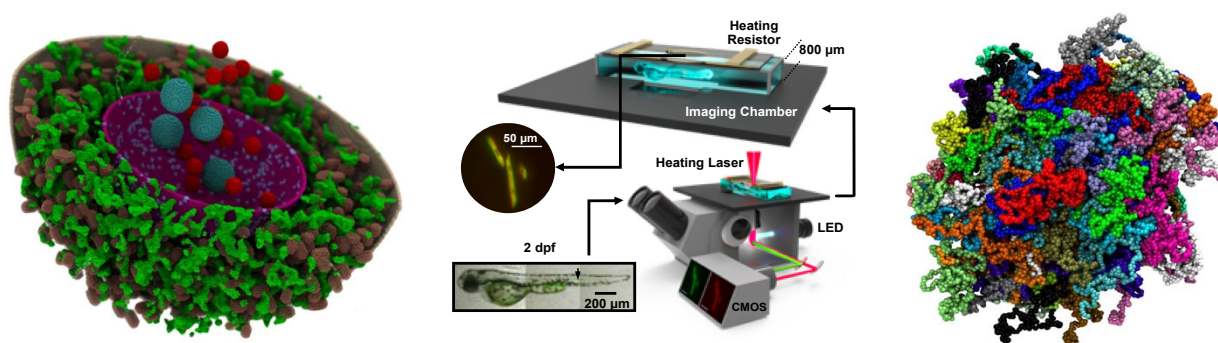
2020 PHYSICS OF LIVING CELLS SUMMER SCHOOL



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 15 – 22, 2020



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 2020 CPLC Summer School will offer multi-scale training in the latest experimental, computational, and theoretical biophysical approaches in the following themes:

SCIENTIFIC THEMES: *Stochastic bacterial gene expression in space & time, Neuroscience: from the large to the small, Liquid-liquid phase separation: from molecules to condensates, Biomolecular folding: from in vitro to in vivo, Liquid-phase electron microscopy & optical microscopy of biomolecules*

PARTICIPATING FACULTY: *Alek Aksimentiev, Yann Chemla, Ido Golding, Martin Gruebele, Nigel Goldenfeld, Taekjip Ha, Sangjin Kim, Zaida Luthey-Schulten, Sua Myong, Paul Selvin, Karin Dahmen, Rhonda Dzakpasu (Georgetown University), and Qian Chen*

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 the areas covered in the Summer School themes.

To learn more and apply, please visit

Application Deadline March 15th!

Selection and notification of participants completed on a rolling basis

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

Housing and course materials will be provided.