

NEUTRONS IN STRUCTURAL BIOLOGY CHALLENGES & OPPORTUNITIES WORKSHOP

June 11-12, 2024 • Sheraton Pentagon City Hotel, Arlington, VA

This workshop will highlight the need for next-generation instruments and toolsets for structural biology, with a focus on neutrons and other complementary techniques, and the development of integrated experimental and computational frameworks that connect them.

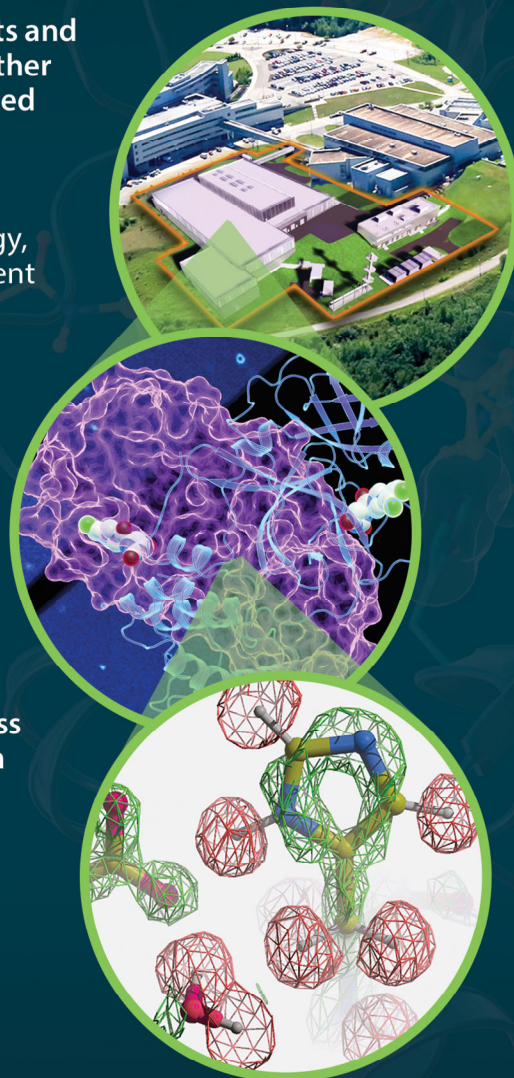
The workshop will:

- Highlight challenges in biochemistry, structural biology, enzymology, and drug design that remain difficult to address with current technologies.
- Identify capability gaps and developments in scattering, diffraction, imaging, and computational science that are needed to address them.
- Discuss opportunities at next generation neutron, x-ray, and computational facilities, where orders of magnitude gains in performance will drive structural biology research towards new frontiers.

The workshop will be a forum for structural biology and biochemistry experts, early career researchers, and students to discuss scientific advancement and collaboration. The workshop will include a 1-day satellite training workshop (June 10, 2024) to educate graduate students and postdoctoral researchers in the application of neutron techniques in structural biology.

Confirmed Speakers

Linna An	University of Washington
Gloria Borgstahl	University of Nebraska Medical Center
Wah Chiu	SLAC
Aina Cohen	SSRL, SLAC
James Fraser	University of California San Francisco
Ken Herwig	ORNL / STS
Andrzej Joachimiak	Argonne National Laboratory
Jonathan Nickels	University of Cincinnati
Katherine O'Toole	New England Biolabs
Zoran Radic	University of California San Diego
Stephen Ragsdale	University of Michigan
Arvind Ramanathan	Argonne National Laboratory
Charles Sanders	Vanderbilt University
Jeremy Smith	ORNL / University of Tennessee Knoxville
Olivier Soubias	National Cancer Institute
Susan Tsutakawa	Lawrence Berkeley National Laboratory
Soichi Wakatsuki	Stanford University / SLAC
Christopher Williams	University of California Riverside
Wen Zhang	Indiana University School of Medicine



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