Stanford



Aina E. Cohen

Senior Scientist, Stanford Synchrotron Radiation Lightsource

Bio

BIO

My personal research is focused on the development of new techniques, specialized instrumentation, and new algorithms that advance macromolecular X-ray crystallography methods at synchrotron and X-ray free electron laser (XFEL) sources to elucidate the relationships of protein structure to biological function. This includes higher throughput methods for biomolecule structure determination, compound screening, and structure-based drug design. Further, I am developing new instrumentation and supporting automation to study protein dynamics using crystallography and cryoEM.

Complete List of Published Work in MyBibliography: http://www.ncbi.nlm.nih.gov/sites/myncbi/aina.cohen.1/bibliography/46890833/public/?sort=date&direction=ascending.

CURRENT ROLE AT STANFORD

Division Director, Structural Molecular Biology (SMB), Stanford Synchrotron Radiation Lightsource (SSRL), SLAC National Accelerator Laboratory, Stanford University

Director of the X-ray-Accelerated Medicines Development (XMeD) consortium, funded by the DOE to advance US Biopreparedness

Technical Leader of the LCLS-MFX Standard Goniometer Setup for Serial Macromolecular Crystallography, The Linac Coherent Light Source, SLAC National Accelerator Laboratory