

Stephen Michael Soltis

Distinguished Staff Scientist, Stanford Synchrotron Radiation Lightsource

Bio

BIO

Michael Soltis is a Distinguished Staff Scientist and Co-Department Division Head of the Structural Molecular Biology group at the Stanford Synchrotron Radiation Lightsource at the SLAC National Accelerator Laboratory. His research focuses on the development of novel techniques, specialized instrumentation, and innovative methodologies that enable major advances in macromolecular X-ray crystallography research at synchrotron and X-ray free electron laser (XFEL) facilities. These innovations include advanced phasing methods, ultra-high-resolution structure determinations, the use of micro-crystals, in-situ studies of catalytic intermediates, and automated data collection and processing workflows for multi-crystal datasets and high-throughput fragment-based drug discovery.

CURRENT ROLE AT STANFORD

Co-Department Division Head, Structural Molecular Biology, Stanford Synchrotron Radiation Lightsource, SLAC National Accelerator Laboratory, Stanford University

HONORS AND AWARDS

- Farrel W. Lytle Award, SSRL (2006)

EDUCATION AND CERTIFICATIONS

- PhD, University of California, Los Angeles , Crystallography (1987)
- BS, California State University, Los Angeles , Inorganic Chemistry (1982)