

The 83rd Annual Pittsburgh Diffraction Conference

September 15th – 18th, 2026

Join researchers, students, and innovators for a dynamic program on breakthroughs in diffraction and emerging technologies shaping future discoveries

SLAC National Accelerator Laboratory Menlo Park, California



Hosted by the

Stanford Synchrotron Radiation Lightsource @SLAC/Stanford

The PDS Conference features two parallel scientific sessions—one focused on life sciences and the other on chemistry and materials science—with shared keynote lectures bringing together the full community for interdisciplinary exchange.

Scientific Sessions will include:

- Computational Breakthroughs in Structural Biology: Accelerating Throughput, Revealing Dynamics, and Advancing Drug Discovery
- Building Tomorrow's Structural Toolbox: Emerging and Forefront Methods
- Lights, Camera, Reaction! Serial Crystallography and Time-Resolved Structures
- Heavy Metal Hits: Structural Stories of Metalloenzymes
- Structure-Guided Strategies for Antivirals and Vaccines
- Structural Studies at Extreme Environments
- Novel Materials with Transformative Properties

Special Activities such as:

- Banquet Dinner
- SSRL/LCLS Tour
- Tour of Cantor Art Center & Lunch at Tootsie's

Pre-conference workshop Structure Based Computational Methods in Drug Discovery

Using your crystal structures for docking, virtual screening, & molecular dynamics simulations

Tuesday, September 15th

More Information Soon: see <https://www.pittdifsoc.org>

The Pittsburgh Diffraction Society (PDS) is a not-for-profit organization which promotes fundamental and applied diffraction and crystallographic research and the exchange of ideas and information concerning such research