

Mark Steven Hunter

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Bio

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Mark Hunter is the LCLS Science Research and Development Division (SRD) Deputy for Operations. In this role, Mark works with the LCLS operational teams to deliver our world-class user science program and coordinates across the SRD and Ops divisions.

Mark was the Department Head of the LCLS Biological Sciences Department until 2025. The LCLS Bio department works with our user community to design and execute experiments for structural dynamics in biology using LCLS and other tools at SLAC such as SSRL and cryo-EM. We support the LCLS science program and contribute to instrument and technological improvement ideas as well as R&D in the biological sciences. We also partner with SMB from SSRL in the NIH funded Center for Structural Dynamics in Biology, which aims to reduce the barriers to entry for advanced LCLS experiments while doing targeted R&D to enhance our technologies and capabilities for the biomedical community.

Mark joined LCLS in 2014 as a Research Associate with the Coherent X-ray Imaging (CXI) beamline under Sebastien Boutet after the completion of a Research Associate position at Lawrence Livermore National Laboratory. Mark joined LCLS to continue to study the impact of structural dynamics in biological systems and LCLS provides a unique tool to study and characterize these dynamics at physiologically-relevant conditions.