



Silvia Russi

Research and Development Scientist and Engineer, Stanford Synchrotron Radiation Lightsource Laboratory (SSRL)

Bio

BIO

Dr. Silvia Russi is a beamline scientist at the Stanford Synchrotron Radiation Lightsource (SSRL) at SLAC National Accelerator Laboratory. Earlier in her career, Dr. Russi focused her research on the X-ray structure determination of bioactive organometallic compounds and inorganic complexes at the Universidad de la República, in her home country Uruguay. She moved then to the Structural Biology Group at the IBMB in Barcelona, Spain, to work on the structural characterization of bacterial proteins mediating the transfer of genetic material and spread of antibiotic resistance. After earning her PhD, she first joined the Diffraction Instrumentation Team at the EMBL-Grenoble Outstation, France, to conduct research on a new device for controlled crystal dehydration and then she moved to the Structural Biology Group at the ESRF where she studied new phasing strategies that exploited the anisotropy of the anomalous signal. In May 2013, she joined the SSRL, SLAC National Accelerator Laboratory, as Beamline Scientist. She provides scientific and technical support to visiting scholars and users of the macromolecular crystallography beamlines and perform research developing new experimental methods and instrumentation to accelerate protein crystallography experiments such as with the current Stanford Auto-Mounter (SAM) crystal-mounting robot and to implement fully automated, remotely-accessible, room temperature X-ray diffraction experiments.

CURRENT ROLE AT STANFORD

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

LINKS

- Macromolecular Crystallography at SSRL: <https://smb.slac.stanford.edu/>