

BSR 2016 Poster Assignment List - Alphabetical Order by Presenter's Last Name

Assignment (M=Monday; T=Tuesday; W=Wednesday)	Category	First Name	Last Name	Institution	Abstract Title
T5	Science with upgraded SRS	Stephanie	Bachas-Daunert	Stanford University	Arsenic and the Gut Microbiome: A Case Study for Application of Synchrotron Radiation in Microbiome Research
M27	Membrane proteins	Bobby	Baravati	Arizona State University	Structural Biology of Coronavirus Envelope (CoV E) Proteins
T21	Industrial or pharmaceutical applications	Ximena	Barros-Alvarez	University of Washington	Structure guided approach in the design of inhibitors against pathogenic protozoa targeting aminoacyl-tRNA synthetases
W1	X-ray/IR imaging/SR-CDI	Michael	Becker	GM/CA@APS, Argonne National Laboratory	Towards user operations of the SONICC system at GM/CA@APS beamline 23ID-B at the Advanced Photon Source
M1	Hybrid methods	Avni	Bhatt	University of Florida	Structure activity relationships of benzenesulfonamide-based inhibitors towards carbonic anhydrase isoform specificity
M13	Macromolecular complexes	Asha	Bhushan	All India Institute of Medical Sciences	Crystal Structure of the Complex of Lactoperoxidase with an Anti-thyroid drug Propylthiouracil
T22	Industrial or pharmaceutical applications	Anja	Burkhardt	Deutsches Elektronen-Synchrotron DESY	Macromolecular crystallography at beamline P11 at PETRA III
W2	X-ray/IR imaging/SR-CDI	Suzana	Car	Dartmouth College	Imaging the plant ionome: Synchrotron X-ray fluorescence and its applications in a study of zinc homeostasis in Arabidopsis thaliana
T28		Chun-Jung	Chen	NSRRC	
M14	Macromolecular complexes	Teck Khiang	Chua	MacCHESS, Cornell University	Innovative Application of Pressure Cryo-cooling
M28	Membrane proteins	Isabel	De Moraes	Diamond Light Source / Imperial College London	Tailoring Synchrotrons to Membrane Protein Structure Determination
M15	Macromolecular complexes	Jan	Dohnalek	Institute of Biotechnology CAS	Protein-nucleic acids interactions studied by synchrotron radiation and complementary techniques
W15	7 years of XFEL in structural biology	Jeffrey	Donatelli	Lawrence Berkeley National Lab	Multi-Tiered Iterative Phasing for Fluctuation X-ray Scattering and Single-Particle Diffraction
T6	Science with upgraded SRS	Florian	Dworkowski	Swiss Light Source @ Paul Scherrer Institut	Kinoform diffractive lens based micro focusing upgrade of the macromolecular crystallography beamline X10SA at the SLS
W3	X-ray/IR imaging/SR-CDI	Kenneth	Fahy	SiriusXT	3D Cell Structure Imaging with Laboratory Scale Cryo Soft X-ray Tomography

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T7	Science with upgraded SRS	Robert	Fischetti	Advanced Photon Source, Argonne National Laboratory	Serial Millisecond Crystallography of Microcrystals at the Advanced Photon Source
T8	Science with upgraded SRS	Andreas	Förster	DECTRIS Ltd.	High-speed detectors enable synchrotron serial crystallography
T9	Science with upgraded SRS	Gavin	Fox	Synchrotron SOLEIL	Crystallographic data collection using microbeams with a photon-counting detector at PROXIMA2-A
M29	Membrane proteins	Patrick	Frank	SLAC/Stanford University	Spin-Polarization and Spectroscopic Validation of the Through-Bond Electron Transfer Mechanism of Redox Metalloproteins
T1	Bioinformatics and computing	Daniel	Franke	EMBL Hamburg	Assessing Goodness of Fit with the Correlation Map Test
T23	Industrial or pharmaceutical applications	Martin	Gifford	Lyncean Technologies, Inc	The Lyncean Compact Light Source: X-ray Synchrotron Radiation for Analytical and Imaging Applications
M2	Hybrid methods	Pawel	Grochulski	Canadian Light Source	Future of biological and life-science facilities at the CLS
M32	Hybrid methods	Yang	Ha	Stanford University	XAS studies on Fe ₂ S ₂ ferredoxin binding with $\Delta 9$ desaturatase
M3	Hybrid methods	Nelly	Hajizadeh	EMBL Hamburg Outstation	Intelligent Agents for Improving Data Collection Efficiency at the EMBL P12 BioSAXS Beamline, Hamburg
M16	Macromolecular complexes	Jonathan	Herrmann	Stanford University	Calcium Mediates Structural Dynamics of RsaA, the S-Layer Protein from <i>Caulobacter Crescentus</i>
T16		Masahiko	Hiraki	Mechanical Engineering Center, KEK	Upgrade of automated protein crystallization and imaging system
W4	X-ray/IR imaging/SR-CDI	Chi-Feng	Huang	Department of Applied Chemistry, National Chiao Tung University	Imaging Individual Drug-Carrying Liposome Particles by Free-Electron-Laser Coherent Diffraction
M17	Macromolecular complexes	Tatiana	Isabet	Synchrotron SOLEIL	PROXIMA-1 : macromolecular crystallography beamline @ synchrotron SOLEIL
M18	Macromolecular complexes	Tatiana	Isabet	Synchrotron SOLEIL	Automated devices for BIOSAXS at synchrotron SOLEIL
T24	Industrial or pharmaceutical applications	Vitul	Jain	ICGEB	Structure of prolyl-tRNA synthetase-Halofuginone complex provides basis for development of novel drugs against Malaria and Toxoplasmosis
M30	Membrane proteins	Alexander	Johs	Oak Ridge National Laboratory	Small-angle Neutron Scattering as a probe for leaflet asymmetry in biomembranes

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W13	Dynamics	Daniel	Keedy	University of California, San Francisco	Multitemperature synchrotron crystallography and ligand scanning reveal novel allosteric modulators of the therapeutic target PTP1B
W16	7 years of XFEL in structural biology	Jan	Kern	Lawrence Berkeley National Lab	Mechanism of water oxidation in photosystem II studied by room temperature fs x-ray crystallography and spectroscopy
M4	Hybrid methods	Seung Joong	Kim	UCSF (University of California, San Francisco)	Molecular Architecture and Function of the SEA Complex, a Modulator of the TORC1 Pathway
M31	Membrane proteins	Alexander	Kintzer	University of California at San Francisco	Structure, inhibition, and regulation of a two-pore channel TPC1
W17	7 years of XFEL in structural biology	Elena	Kovaleva	Stanford Synchrotron Radiation Lightsource	Characterization of Ferryl Intermediate in DypB Peroxidase Using Femtosecond Crystallography, Optical and X-Ray Absorption Spectroscopies
W5	X-ray/IR imaging/SR-CDI	Courtney	Krest (Roach)	Stanford Synchrotron Radiation Lightsource	Hard X-ray Fluorescence Imaging and μ -X-ray Absorption Spectroscopy
T2	Bioinformatics and computing	Eugene	Krissinel	CCP4, STFC, Research Complex at Harwell, Rutherford-Appleton Laboratory, UK	CCP4 Web-Services and Cloud Computing Developments
M5	Hybrid methods	Thomas	Kroll	SLAC National Accelerator Laboratory	Extracting Electronic Structure and Bond Strength Information from 1s2p RIXS: Electron Transfer and Apoptosis in the Cytochrome c protein
W6	X-ray/IR imaging/SR-CDI	Ting-kuo	Lee	Academia Sinica, Taiwan	Recovery of missing central diffraction intensities by using template method
W7	X-ray/IR imaging/SR-CDI	Po-Nan	Li	Stanford University	Resolution enhancement of transmission x-ray microscopy using coherent diffraction
W8	X-ray/IR imaging/SR-CDI	Keng	Liang	Institute of Physics, Academia Sinica, Taiwan	Measurement and simulation of interference enhancement in coherent X-ray diffraction imaging of gold nano particles and influenza virus in water at SACLA
M33	Hybrid methods	Hyeongtaek	Lim	Stanford University	Cu K-beta X-ray Emission Spectroscopy as a Probe of Coordination Environments of Cu(I) Sites
M19	Macromolecular complexes	Sheng-Jun	Liu	Stanford University / Xiamen City University	Data filtering method for Correlated X-ray Scattering
M6	Hybrid methods	Michael	Mara	Stanford University	Characterization of the Cytochrome C Iron-Thioether Bond and Its Regulation by the Protein

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W9	X-ray/IR imaging/SR-CDI	Michael	Martin	Advanced Light Source, LBNL	Biological SINS: Broadband synchrotron infrared nano-spectroscopy of biological materials
T17		Tsutomu	Matsui	SLAC National Accelerator Laboratory	Time-resolved SAXS with low sample consumption: a way to pursue conformational changes of biomolecules
T25	Industrial or pharmaceutical applications	Anne	Mulichak	IMCA-CAT/Hauptman Woodward Research Institute	IMCA-CAT Advanced Photon Source Facility for Pharmaceutical Drug Discovery
W18	7 years of XFEL in structural biology	Anna	Munke	Uppsala University	Coherent diffraction of single Rice Dwarf Virus particles using hard X-rays at the Linac Coherent Light Source
W19	7 years of XFEL in structural biology	Yoshinori	Nishino	Research Institute for Electronic Science, Hokkaido University	Controlled Environment Nano-Imaging Free From Radiation Damage by X-ray Laser Diffraction
M20	Macromolecular complexes	Suzanne	Norwood	University of Queensland	Structural characterisation of the retromer complex
T18		Hideo	Okumura	Japan Synchrotron Radiation Research Institute (JASRI)	Present status of SPring-8 macromolecular crystallography beamlines
T10	Science with upgraded SRS	Mutairu Bolaji	Olatinwo	Louisiana State University	Quantitative X-ray Grating-based Interferometry Brown Adipose Tissue in Mice
M21	Macromolecular complexes	Natalia	Orlova	The City College of New York	A plasmid that became a chromosome
W10	X-ray/IR imaging/SR-CDI	Peng	Qi	University of Saskatchewan	A Bent Laue Energy Dispersive Monochromator: An Example Application of Speciation Imaging at the Selenium K-edge
W11	X-ray/IR imaging/SR-CDI	Shenglan	Qiao	Stanford University	Angular correlations of photons from solution diffraction at a free electron laser encode molecular structure
M7	Hybrid methods	Ivan	Rajkovic	SLAC/SSRL	Recent Developments at the Beamline for Biological Small Angle X-ray Scattering BL4-2 at SSRL
T19		John	Rose	SER-CAT/ University of Georgia	SER-CAT/UGA Native-SAD Highlights
M22	Macromolecular complexes	Karthik	Sathiyamoorthy	Stanford University	Structural Basis for Epstein-Barr Virus Host Cell Tropism mediated by gp42 and gHgL Entry Glycoproteins
M8	Hybrid methods	Ursula	Schulze-Gahmen	UC Berkeley	Insights into HIV-1 proviral transcription from an integrative structure of the Tat:AFF4:P-TEFb:TAR complex

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T26	Industrial or pharmaceutical applications	Weifeng	Shang	Illinois Institute of Technology	Recent SAXS developments dedicated for solution scattering of biological macromolecules at the BioCAT beamline 18-ID at the Advanced Photon Source
M23	Macromolecular complexes	Orion	Shih	NSRRC	Linear Oligomerization Process of BAX Revealed from Coexisting Intermediates in Solution
T11	Science with upgraded SRS	Thomas	Sorensen	Diamond Light Source, UK	New MX beamline dedicated to in situ diffraction experiments
T3	Bioinformatics and computing	Sergey	Stepanov	Argonne National Laboratory	Integration of fast detectors into beamline controls at GM/CA@APS: Pilatus3 6M and Eiger 16M
T12	Science with upgraded SRS	Doletha	Szebenyi	MacCHESS, Cornell University	MacCHESS, a Synchrotron Source with Unique Opportunities for structural Biology
W14	Dynamics	Michael	Thompson	University of California, San Francisco	Infrared Laser-Induced Temperature-Jump: A General Perturbation Method for Time-Resolved Crystallographic Studies of Protein Dynamics
T13	Science with upgraded SRS	Charles	Titus	Stanford	Probing symmetry, spin, and valency of metal centers via ultra-sensitive soft X-ray detectors
M9	Hybrid methods	Farzaneh	Tondnevis	University of Florida	Solution Structure of an "open" E. coli Pol III Clamp Loader Sliding Clamp Complex
W20	7 years of XFEL in structural biology	Kensuke	Tono	Japan Synchrotron Radiation Research Institute	Platforms for biological researches at SACLA
T20		Chien-chang	Tseng	NSRRC	TPS-05A Protein Microcrystallography Beamline at the National Synchrotron Radiation Research Center
M10	Hybrid methods	Yasufumi	Umena	Okayama University	Estimation of valences and radiation damage of four Mn atoms in photosystem II crystals using anomalous diffraction analysis
T4	Bioinformatics and computing	Ville	Uski	STFC/CCP4	CCP4: a resource for macromolecular crystallography
M24	Macromolecular complexes	Christopher	Warner	University of California, Santa Cruz	Small angle X-ray scattering analysis reveals that introduction of D-glutamate at a critical residue of A β 42 stabilizes a pre-fibrillary aggregate with enhanced toxicity.
M25	Macromolecular complexes	Jui-Hung	Weng	IBC, Academia Sinica	Uncovering the mechanism of FHA domain-mediated TIFA oligomerization that plays a central role in immune responses
M11	Hybrid methods	Matthias	Wilmanns	European Molecular Biology Laboratory	Molecular mechanism of reversible elasticity in the muscle filament bridge protein myomesin

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M26	Macromolecular complexes	Hsiang-Yi	Wu	Institute of Biological Chemistry, Academia Sinica	Structural Basis of the Antizyme-Mediated Inhibition and Degradation of Ornithine Decarboxylase
T27	Industrial or pharmaceutical applications	Nina	Wurzler	BAM	Chemical and electrochemical interaction mechanisms of metal reducing bacteria on steel surfaces
T14	Science with upgraded SRS	Yusuke	Yamada	High Energy Accelerator Research Organization	Upgrade of a macromolecular crystallography beamline, BL-17A, at the Photon Factory
M34	Hybrid methods	James	Yan	Stanford University	L-Edge Spectroscopic Investigation of {FeNO}6: Factors Determining Delocalization vs Antiferromagnetic Coupling
T15	Science with upgraded SRS	Fumiaki	Yumoto	KEK/High Energy Accelerator Research Organization	Photon Factory as a Research Hub in the Platform of Drug Discovery, Informatics, and Structural Life Science