

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2016B8001*	serial femtosecond crystallography of the protein-ligand cocrystals for drug discovery	Mizuki TAKAHASHI	DAIICHI SANKYO RD NOVARE CO., LTD.	Japan	SACLA General Proposal	BL3	2 hours
2	2016B8002	Molecular imaging by ultrafast photoelectron diffraction	Akira YAGISHITA	High Energy Accelerator Research Organization	Japan	SACLA General Proposal	BL1	6
3	2016B8004	Dislocation dynamics and carbon diffusion in steels using femto-second X-ray diffraction	Mitsuharu YONEMURA	NIPPON STEEL & SUMITOMO METAL CORPORATION	Japan	SACLA General Proposal	BL3	3
4	2016B8005	Time-resolved serial femtosecond crystallographic experiments on the Z/E isomerization in bacterial phytochromes	Marius Schmidt	University of Wisconsin-Milwaukee	USA	SACLA General Proposal	BL3	3
5	2016B8006	Nanoscale surface modifications and formation induced by ultra-shot soft x-ray laser pulse	Masaharu NISHIKINO	National Institutes for Quantum and Radiological Science and Technology	Japan	SACLA General Proposal	BL1	5
6	2016B8007	Study on photoexcited states of BiVO ₄ photocatalyst under visible light irradiation by time-resolved XAFS	Kiyotaka ASAKURA	Hokkaido University	Japan	SACLA General Proposal	BL3	5
7	2016B8009	X-ray amplification with intense optical laser (2)	Yuichi INUBUSHI	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal	BL3	7
8	2016B8012	Excitation wavelength dependence of charge-carrier dynamics in nitrogen-doped TiO ₂ studied by time-resolved X-ray emission spectroscopy	Takeshi MORIKAWA	TOYOTA CENTRAL R&D LABS., INC.	Japan	SACLA General Proposal	BL3	5
9	2016B8014	Observation of femtosecond X-ray damage processes by an X-ray pump-X-ray probe scheme	Ichiro INOUE	RIKEN	Japan	SACLA General Proposal	BL3	5
10	2016B8016	The nanosecond dynamics of cavitation in water at large negative pressures	Claudiu Stan	SLAC National Accelerator Laboratory	USA	SACLA General Proposal	BL3	5
11	2016B8017	Realization of sub-10-nm XFEL beam using multilayer mirrors and wavefront compensation technique	Kazuto YAMAUCHI	Osaka University	Japan	SACLA General Proposal	BL3	7
12	2016B8018	Strong laser manipulation of atomic non-linear processes in EUV	Yasumasa HIKOSAKA	University of Toyama	Japan	SACLA General Proposal	BL1	6
13	2016B8019	Spin-structural dynamics probed by resonant X-ray magnetic diffraction using circularly polarized XFEL (III)	Motohiro SUZUKI	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal	BL3	5
14	2016B8020	Experimental study on coherent hard x-ray photonics	Hitoki YONEDA	The University of Electro-Communications	Japan	SACLA General Proposal	BL3	5
15	2016B8024	Difference Frequency Generation of Optical Radiation from two hard x-ray pulses	Sharon Shwartz	Bar-Ilan university	Israel	SACLA General Proposal	BL3	5
16	2016B8031	Time-resolved serial femtosecond crystallography studies of the photo-dissociation of carbon monoxide from the active site of the proton pump cytochrome oxidase	Richard Neutze	University of Gothenburg	Sweden	SACLA General Proposal	BL3	3
17	2016B8037	Test for strong-field QED with high power laser and XFEL	Toshio NAMBA	The University of Tokyo	Japan	SACLA General Proposal	BL3	5
18	2016B8039	Investigation of X-ray two-photon absorption spectroscopy II	Kenji TAMASAKU	RIKEN	Japan	SACLA General Proposal	BL3	5
19	2016B8042	Observation of short-wavelength superfluorescence induced by ultraviolet free-electron-laser pulses	Eiji SHIGEMASA	National Institutes of Natural Sciences	Japan	SACLA General Proposal	BL1	7
20	2016B8043	Fundamental study for time-resolved photoelectron spectroscopy using an SXFEL beam ~ space-charge effects induced by strong laser field by means of fast photoelectron measurement ~	Masaki OURA	RIKEN	Japan	SACLA General Proposal	BL1	7
21	2016B8044	New Phases in High Energy Density Carbon	Nicholas Hartley	Osaka University	Japan	SACLA General Proposal	BL3	2
22	2016B8051	Time-resolved serial femtosecond crystallography of photocycle intermediates of the AR4 photoreceptor from Halobacterium sp. xz515	M Isabel Moraes	Imperial College London	UK	SACLA Priority Strategy Proposal	BL3	3
23	2016B8052	Time-resolved serial femtosecond crystallography (TR-SFX) with a fixed target: Investigating unifying principles of protein structural dynamics - Part II	Dwayne Miller	Max-Planck-Institute for Structure and Dynamics of Matter	Germany	SACLA Priority Strategy Proposal	BL3	5
24	2016B8053	Radiation damage free high-resolution structure of reaction intermediates of cytochrome c oxidase by the femtosecond crystallography	Shinya YOSHIKAWA	University of Hyogo	Japan	SACLA Priority Strategy Proposal	BL3	2
25	2016B8055	Revealing ultrafast alignment and relaxation dynamics of two different local structures of supercooled water using anisotropic scattering under Optical-Kerr Effect condition	KyungHwan Kim	Stockholm University	Sweden	SACLA Priority Strategy Proposal	BL3	6
26	2016B8056	Observation of ultrafast excimer formation dynamics of planar platinum (II) terpyridine complex in solution using femtosecond X-ray solution scattering	Hyotcherl Ihee	Korea Advanced Institute of Science and Technology	Korea	SACLA Priority Strategy Proposal	BL3	3
27	2016B8060	Femtosecond X-ray protein nanocrystallography on drug-target proteins	So IWATA	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	5
28	2016B8063	Development of versatile methods using time-resolved serial femtosecond crystallography	Eriko NANGO	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	3
29	2016B8064	Visualization of the three-dimensional electron distribution inside cells by cryogenic XFEL-CXDI experiments	Masayoshi NAKASAKO	Keio University	Japan	SACLA Priority Strategy Proposal	BL3	6.92
30	2016B8065	Biomolecular Imaging by Pulsed Coherent X-Ray Solution Scattering	Yoshinori NISHINO	Hokkaido University	Japan	SACLA Priority Strategy Proposal	BL3	5
31	2016B8066	Elucidation of the mechanism of photosystem II water-splitting reaction by serial femtosecond crystallography	Jian-Ren SHEN	Okayama University	Japan	SACLA Priority Strategy Proposal	BL3	8
32	2016B8067	Time-resolved Serial Femtoseconds Crystallography (TR-SFX) for Developing Optogenetics Tools	Osamu NUREKI	The University of Tokyo	Japan	SACLA Priority Strategy Proposal	BL3	3
33	2016B8068	Visualization of catalytic reaction processes of nitric-oxide reductase using caged substrate - Application of time-resolved serial femtosecond X-ray crystallography to an enzyme protein -	Minoru KUBO	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	3
34	2016B8070	High-resolution crystal structure analysis of biological macromolecules free of radiation damage at a non-cryogenic temperature for the visualization of biological energy-conversion processes	Hideo AGO	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	5
35	2016B8073	Simultaneous measurement of femtosecond time-resolved X-ray solution scattering and emission spectroscopy of photo-reactive Fe-containing protein with the arrival timing monitor system for detecting time-evolution of transient electronic and molecular structures	Shin-ichi ADACHI	High Energy Accelerator Research Organization	Japan	SACLA Priority Strategy Proposal	BL3	3
36	2016B8074	Picosecond analysis of dynamic functional space toward design of high speed and high response space materials	Susumu KITAGAWA	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	5
37	2016B8076	Real Time Observation of Photochemical Reaction Induced Changes in Molecular Structure by Using Time-resolved Coulomb Explosion Imaging Method	Hironobu FUKUZAWA	Tohoku University	Japan	SACLA Priority Strategy Proposal	BL1	7
38	2016B8077	Dynamic imaging of ultra-fast reactions of molecules and nano-particles by femtosecond XFEL pulses	Kiyoshi UEDA	Tohoku University	Japan	SACLA Priority Strategy Proposal	BL3	6
39	2016B8078	Study of ultrafast de/remagnetization phenomena on Au/Fe system which has interfacial perpendicular magnetic anisotropy induced by Rashba-type spin-orbit interaction and of nonlinear optical effect of second harmonic and sum frequency generation in soft X-ray region	Iwao MATSUDA	The University of Tokyo	Japan	SACLA Priority Strategy Proposal	BL1	7
40	2016B8079	Femtosecond hard X-ray photoelectron spectroscopy of charge transfer dynamics in solution	Toshinori SUZUKI	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	5
41	2016B8083	Structure of shock wave and dynamics of phase transformation occurring in forsterite single crystals compressed by laser-driven shocks	Takuo OKUCHI	Okayama University	Japan	SACLA Priority Strategy Proposal	BL3	2
42	2016B8084	Generation and applications of multi-Mbar dynamic high pressure using high-energy laser	Norimasa OZAKI	Osaka University	Japan	SACLA Priority Strategy Proposal	BL3	3
43	2016B8800*	Morphology Observation of Automotive Nanomaterials by using XFEL-CDI technique	Hisao YAMASHIGE	Toyota Motor Corporation	Japan	SACLA Time-Designated Proposal	BL3	2 hours