

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2016A8001*	Morphology Observation of Automotibe Nanomaterials by using XFEL-CDI technique	Hisao YAMASHIGE	Toyota Motor Corporation	Japan	SACLA General Proposal	BL3	2hours
2	2016A8006	Search for new weekly interacting particles with strong pulse magnets	Toshio NAMBA	The University of Tokyo	Japan	SACLA General Proposal	BL3	5
3	2016A8008	Understanding the role of phonons in the insulator-metal transition in VO2	Simon Wall	ICFO - The Institute of Photonic Sciences	Spain	SACLA General Proposal	BL3	6
4	2016A8009	Hard x-ray coherent photonics with K α laser pumped by XFEL	Hitoki YONEDA	The University of Electro-Communications	Japan	SACLA General Proposal	BL3	5
5	2016A8010	Development of sub-10-nm XFEL focusing system using multilayer mirrors and wavefront compensation technique	Kazuto YAMAUCHI	Osaka University	Japan	SACLA General Proposal	BL3	7
6	2016A8013	Investigation of X-ray two-photon absorption spectroscopy	Kenji TAMASAKU	RIKEN	Japan	SACLA General Proposal	BL3	5
7	2016A8015	Small Angle X-ray scattering of supercooled water in no man's land – a route to explain the anomalies of water	Harshad Pathak	Stockholm University	Sweden	SACLA General Proposal	BL3	6
8	2016A8016	X-ray amplification using intense optical laser	Yuichi INUBUSHI	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal	BL2	5
9	2016A8018	Time-resolved Serial Femtosecond X-ray crystallography of a Ribosome Decoding Complexes	Hasan Demirci	Stanford University	USA	SACLA General Proposal	BL3	3
10	2016A8021	Ultrafast dynamics of a phonon-coupling-driven phase transition in Sn2P2Se6	Steven Johnson	ETH Zurich	Switzerland	SACLA General Proposal	BL3	6
11	2016A8025	Ultrafast control of the magnetic correlations in 5d iridates by stretching the Ir-O bond	Mark Dean	Brookhaven National Laboratory	USA	SACLA General Proposal	BL3	6
12	2016A8026	Excitation wavelength dependence of charge-carrier dynamics in nitrogen-doped TiO2 studied by time-resolved X-ray emission spectroscopy	Takeshi MORIKAWA	TOYOTA CENTRAL R&D LABS., INC.	Japan	SACLA General Proposal	BL3	5
13	2016A8029	Femto-second EXAFS study of structural transformation of the photo-excited state of tungsten trioxide	Kiyotaka ASAKURA	Hokkaido University	Japan	SACLA General Proposal	BL3	4
14	2016A8030	Determination of time-resolved water ordering at room temperature in the drug-binding pore of the influenza M2 protein from high to low pH conditions	William DeGrado	University of California, San Francisco	USA	SACLA Priority Strategy Proposal	BL3	3
15	2016A8032	TR-SFX of biological photoisomerisation	Jasper vanThor	Imperial College London	UK	SACLA Priority Strategy Proposal	BL3	3
16	2016A8033	Structural analysis of intermediate states of the water-splitting reaction of photosystem II by serial femtosecond crystallography	Jian-Ren SHEN	Okayama University	Japan	SACLA Priority Strategy Proposal	BL3	8
17	2016A8034	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
18	2016A8035	Tracking non-equilibrium structural dynamics of heme proteins using femtosecond X-ray solution scattering	Hytcherl Ihee	Korea Advanced Institute of Science and Technology	Korea	SACLA Priority Strategy Proposal	BL3	4
19	2016A8036	Time-resolved serial femtosecond crystallography (TR-SFX) with a fixed target: Investigating unifying principles of protein structural dynamics	Dwayne Miller	Max-Planck-Institute for Structure and Dynamics of Matter	Germany	SACLA Priority Strategy Proposal	BL3	5
20	2016A8037	Visualizing bond-cleavage and -formation in the photodissociation of diiodomethane with femtosecond time-resolved WAXS	Sebastian Westenhoff	University of Gothenburg	Sweden	SACLA Priority Strategy Proposal	BL3	5
21	2016A8041	Femtosecond X-ray protein nanocrystallography on drug-target proteins	So IWATA	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	5
22	2016A8043	Development of versatile methods using time-resolved serial femtosecond crystallography	Eriko NANGO	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	3
23	2016A8047	X-ray crystallographic analysis of sponge-phase crystals of ABC transporter at SACLA	Toru NAKATSU	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	2
24	2016A8048	Three-dimensional structure analyses on the cell cycle-dependent distribution of cellular components in nucleus and cells through XFEL-CXDI experiments at cryogenic temperature	Masayoshi NAKASAKO	Keio University	Japan	SACLA Priority Strategy Proposal	BL3	7
25	2016A8049	Biomolecular Imaging by Pulsed Coherent X-Ray Solution Scattering	Yoshinori NISHINO	Hokkaido University	Japan	SACLA Priority Strategy Proposal	BL3	5
26	2016A8050	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
27	2016A8052	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
28	2016A8054	Time-resolved Serial Femtoseconds Crystallography (TR-SFX) for Developing Optogenetics Tools	Osamu NUREKI	The University of Tokyo	Japan	SACLA Priority Strategy Proposal	BL3	3
29	2016A8055	Revealing ultrafast dynamics of photodissociation of mercury iodide compounds in solution using femtosecond X-ray solution scattering	Shin-ichi ADACHI	High Energy Accelerator Research Organization	Japan	SACLA Priority Strategy Proposal	BL3	3
30	2016A8057	Dynamic imaging for ultra-fast reaction of nano-particles probed by femtosecond XFEL pulses	Kiyoshi UEDA	Tohoku University	Japan	SACLA Priority Strategy Proposal	BL3	6
31	2016A8059	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	4
32	2016A8060	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 generation in soft X-ray region	Iwao MATSUDA	The University of Tokyo	Japan	SACLA Priority Strategy Proposal	BL1	7
33	2016A8061	Development of time-resolved hard X-ray spectroscopy of aqueous solutions and elucidation of photocatalysis	Toshinori SUZUKI	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	5
34	2016A8065	Generation and application of multi-Mbar dynamic high pressure using high-energy laser	Norimasa OZAKI	Osaka University	Japan	SACLA Priority Strategy Proposal	BL3	7

*1 Proprietary research. All proposals except proposal No. 2016A8001: Non-Proprietary research.