Molecular Movies International Symposium 2022

International Symposium Program

12th / May 5:00pm- 9:10pm JST （CET 12th/May 10:00am- 2:10pm, CST 12th/May 4:00pm- 8:10pm）

	Speaker	Afiliation	Title	Session chair
17:00-17:10	Prof. So Iwata	Kyoto University	Opening Remarks	-
17:10-17:50	Prof. Ilme Schlichting	MPI for Medical Research	Mechanism and dynamics of fatty acid photodecarboxylase	Iwata
17:50-18:30	Dr. Alke Meents	DESY	Fixed target serial crystallography for studying protein dynamics	Yamamoto
18:30-19:10	Prof. Helmut Grubmüller	MPI for Multidisciplinary Sciences	Three routes to molecular movies	Miyashita
19:10-19:50	Prof. Erik Lindahl	Stockholm University	Resolving gating and allosteric modulation in ion channels through simulations and small-angle neutron scattering	Miyashita
19:50-20:30	Prof. Peng Chen	Peking University	Bioorthogonal Protein Activation in Space and Time	Kiyonaka
20:30-21:10	Prof. Petr Klán	Masaryk University	Visible/near-infrared-light photorelease: How far can we go with one-photon absorption?	Furuta

30min presentation + 10min Q&A

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13th / May 8:00am-12:05pm JST （CDT 12th/May 6:00pm-10:05pm, EDT 12th/May 7:00pm-11:05pm）

	Speaker	Afiliation	Title	Session chair
8:00-8:40	Prof. Dirk Trauner	New York University	Controlling the Fate and Function of Proteins with Proximity Photopharmacology	Kiyonaka
8:40-9:20	Prof. Marius Schmidt	University of Wisconsin-Milwaukee	Mix-and-Inject Serial Crystallography	Nango
9:20-10:00	Prof. Eriko Nango	Tohoku University	Time-resolved serial femtosecond crystallography of microbial rhodopsins	Iwata
10:00-10:40	Prof. Qiang Cui	Boston University	Classical and QM/MM simulations of "molecular movies" for understanding the functions of biomolecular machines	Miyashita
10:40-11:20	Dr. Junichi Ono	Waseda University	Unification of molecular movies and large-scale quantum molecular dynamics	Iwata
11:20-12:00	Prof. Shinya Tsukiji	Nagoya Institute of Technology	SLIPT: a chemical approach for controlling protein localization and cell signaling	Kiyonaka
12:00-12:05	Prof. So Iwata	Kyoto University	Closing Remarks	-

30min presentation + 10min Q&A