

IPR x RIKEN (BDR) Symposium 2023

Dive into Data of Life

21 [Tue] - 22 [Wed] Feb. 2023

Senri Life Science Center [On-Site Only]

Organizers

OKADA Mariko (IPR, Osaka Univ.)
SHIROUZU Mikako / TAIJI Makoto (RIKEN BDR)

Language English

**Pre-
registration
required**

<https://forms.gle/TurhViYmxq8bsyQq9>

Deadline : Jan. 27 (Fri), 2023

Applications will be closed when the capacity is reached.



Contact : uraoffice@protein.osaka-u.ac.jp

Day 1 Feb. 21 (Tue)

13:00 Opening session

13:15 Session 1

Design Principles for Life

Chair NAKAGAWA Atsushi IPR, Osaka Univ.

**Design principles for proteins
and exploration of novel ones**

KOGA Nobuyasu IPR, Osaka Univ.

**Reconstitution of cytoskeletal
structures and cell functions**

MIYAZAKI Makito Kyoto Univ. / RIKEN BDR (2023.4.1-)

14:45 Session 2

Cornerstone for Data-driven Research

Chair TAIJI Makoto RIKEN BDR

**Protein Data Bank (PDB):
The Single Global Macromolecular
Structure Archive**

KURISU Genji IPR, Osaka Univ.

Data integration for drug discovery

MIZUGUCHI Kenji IPR, Osaka Univ.

**Image data-driven modeling of
developmental systems
and open bioimaging DX**

ONAMI Shuichi RIKEN BDR / RIKEN R-IH / RIKEN CPR

Day 2 Feb. 22 (Wed)

9:15 Session 3

Control of Biological Networks

Chair SHIROUZU Mikako RIKEN BDR

**Structural analysis of nucleosomal
transcription complexes from cryo-EM data**

EHARA Haruhiko RIKEN BDR

**Engineered antibody fragment 'Fv-clasp'
for various research applications**

ARIMORI Takao IPR, Osaka Univ.

**Cell biological mechanisms of
chromosome segregation errors in oocytes**

KITAJIMA Tomoya RIKEN BDR

11:15 Session 4

Elucidation of Biomolecular Dynamics

Chair HARADA Yoshie IPR, Osaka Univ.

**Protein-protein interactions as described
by elastic network models**

TIWARI Sandhya IPR, Osaka Univ.

**Structural equilibrium underlying
ligand-dependent activation of
beta2-adrenoreceptor**

IMAI Shunsuke RIKEN BDR

**Structural analysis of prokaryotic V/A-type
ATP synthase**

KISHIKAWA Jun-ichi IPR, Osaka Univ.

13:00 Closing session



Event website

<https://polarismtgssupport.com/IPRBDR2023/>

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