

# 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](mailto: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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