



# The 5th Kobe University-RIKEN BDR Joint Symposium

February 3rd (Mon), 2025

Shinryoku Memorial Hall, Medical C3 Commons 4th fl.,  
Kusunoki Campus, Kobe-U.

<https://www.med.kobe-u.ac.jp/access/index.html>

Deadline  
**1/15**

P  
R  
O  
G  
R  
A  
M

13:00 Opening remarks  
13:05 Oral Session  
15:00 Poster Session  
16:30 Oral Session  
17:50 Closing Remarks  
18:00 Social Mixer

CALL  
for  
POSTERS

**Poster Application:**

Please apply through your lab.

Language: English

\*Japanese can be used for  
poster presentations

## Oral Session Speakers

\*Oral sessions will be held in English. Q&A may be conducted in either English or Japanese.

### RIKEN BDR

Shuichi Onami (Laboratory for Developmental Dynamics)

Masayuki Oginuma (Chrono-Developmental Biology RIKEN ECL Research Team)

Chisako Sakuma (Laboratory for Nutritional Biology)

Asami Oji (Laboratory for Developmental Epigenetics)

### Kobe University Graduate School of Medicine

Masamichi Muramatsu (Div. of Infectious Disease Control / Dept. of Infectious Disease Research, FBRI)

Masakazu Shinohara (Div. of Molecular Epidemiology )

Junichi Kikuta (Div. of Immunology )

Tomoko Horinouchi (Div. of Pediatrics/ Center for Perinatal Care )

Satomi Komori (Div. of Molecular and Cellular Signaling)

**Advance registration is required to participate**

Please Register through your lab.

• **Registration Deadline : Mon, January 20, 2025**

**Attendance fee for social mixer:** Teachers and Researchers: ¥2,000 Students: ¥1,000

Contact Information: For inquiries, please contact the Research Support Division  
at [k9shien@med.kobe-u.ac.jp](mailto:k9shien@med.kobe-u.ac.jp) Phone: 5189

## PROGRAM

Overall moderator: Akira Suzuki (KU)

13:00

### **Opening Remarks**

- **Greeting from the Director of CMX**

Toru Takumi, Director of Center for Medical Transformation, KU

- **Greeting from the Dean**

Takamichi Murakami, Dean of the Graduate School of Medicine, KU

Session 1 chair: Ichiro Hiratani(BDR), Shuichi Onami(BDR)

13:05

### **Comprehensive understanding of blood-feeding process from initiation to completion in the dengue mosquito, *Aedes aegypti***

Chisako Sakuma (Laboratory for Nutritional Biology, BDR)

13:25

### **Chrono-Developmental Biology: Decoding the Enigma of Embryonic Time**

Masayuki Oginuma (Chrono-Developmental Biology RIKEN ECL Research Team, BDR)

Session 2 chair: Kazunari Miyamichi(BDR), Sa Kan Yoo (BDR)

13:45

### **Biological image data science: its resources and applications**

Shuichi Onami (Laboratory for Developmental Dynamics, BDR)

14:05

### **Proper nuclear compartment organization is required for DNA replication control**

Asami Oji (Laboratory for Developmental Epigenetics, BDR)

14:25

### **Stress-induced stenotic vascular remodeling via reduction of plasma omega-3 fatty acid metabolite 4-oxoDHA reduction by noradrenaline**

Masakazu Shinohara (Div. of Molecular Epidemiology, KU)

14:45

Break

15:00

### **Poster Session**

Session 3 chair: Yoji Murata(KU), Jyunji Otani(KU)

16:30

### **Molecular genetic studies in Hereditary kidney diseases and Nephrotic syndrome**

Tomoko Horinouchi (Div. of Pediatrics/ Center for Perinatal Care, KU)

16:50

### **SIRP $\alpha$ promotes the survival of cDC2s by preventing their activation and induction of Nr4a3 expression**

Satomi Komori (Div. of Molecular and Cellular Signaling, KU)

Session 4 Chair: Ikuo Shoji(KU), Ryo Nitta, (KU)

17:10

### **Dynamic analysis of tissue remodeling and fibrosis by intravital imaging techniques**

Junichi Kikuta (Div. of Immunology, KU)

17:30

### **How Hepatitis B virus establishes a viral nuclear episome, covalently closed circular (ccc)DNA in infected hepatocytes?**

Masamichi Muramatsu (Div. of Infectious Disease Control, KU / Dept. of Infectious Disease Research, FBRI)

17:50

### **Closing Remarks**

Eisuke Nishida, Director of RIKEN BDR