



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

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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 Phone: 5189

P R O G R A M

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 **SIRPα 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