

Frontiers of bioinformatics and its clinical application

Feb. 8 [Thu], 2024 - Osaka University, Japan

Venue : Convention Center, Osaka University Suita Campus

Access



Sponsorship : Global Center for Medical Engineering and Informatics, Osaka University

Integrated Frontier Research for Medical Science Division,

Institute for Open and Transdisciplinary Research Initiatives (OTRI), Osaka University

Integrated Frontier Research for Medical Science Division, Osaka University

Onsite
Only

Free

PROGRAM

9:30-9:40 **Opening remarks**

Takao Onoyo, Executive Vice President of Research, Osaka University

Kohji Nishida, Department of Ophthalmology, Osaka University, Graduate School of Medicine

Premium Research Institute for Human Metaverse Medicine (PRIME)

Integrated Frontier Research for Medical Science Division, Institute for Open Transdisciplinary Research Initiatives (OTRI)

Session 1

Frontiers in sensing and controlling of the Brain function

Chair **Takufumi Yanagisawa**, Institute of Advanced Co-Creation studies, Department of Neurosurgery at Osaka University.

9:40-10:25 **Investigation of Speech Imagery for Brain-Computer Interfaces**

David Grayden, Neural Engineering in the Department of Biomedical Engineering, Faculty of Engineering & Information Technology, and the Graeme Clark Institute for Biomedical Engineering.

10:25-10:40 **Break**

10:40-11:25 **Neural decoding and manipulation of metacognition**

Aurelio Cortese, ATR Institute International Computational Neuroscience Laboratories

11:25-12:10 **Neural mechanisms of anxiety responses to psychological stress**

Atsushi Kasai, Graduate School of Pharmaceutical Sciences Drug Innovation Center, Osaka University

12:10-13:30 **Lunch break**

Session 2

Big data and AI, and its applications

Chair **Haruhiko Kishima**, Department of Neurosurgery, Osaka University Graduate School of Medicine & MEI center

13:30-14:15 **Ambitions of the Moonshot Project: Bridging Minds and Machines**

Ryota Kanai, ARAYA Inc.

14:15-14:30 **Break**

14:30-15:15 **Mapping diverse perceptual and cognitive functions in the human brain**

Shinji Nishimoto, Graduate School of Frontier Biosciences, Osaka University

15:15-16:00 **DNA event recording system through advanced DNA engineering**

Hideto Mori, Premium Research Institute for Human Metaverse Medicine, Osaka University

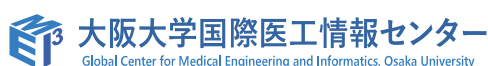


Registration Form

<https://forms.gle/x7g3QG6yufi8qadEA>

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