RIKEN **OIST**

RIKEN-OIST Joint Symposium, Series 2

Neurosciences and AI/Data science

KINDS OF MINDS

- What is thinking? -

Open systems approaches in neuroscience
- How can ideas from complexity science, dynamical systems, and embodied cognition help us understand the brain/mind?-

Tom Froese *Assist. Professor*
OIST, Embodied Cognitive Science Unit

Andrea Benucci *Team Leader*
RIKEN CBS, Laboratory for Neural Circuits and Behavior

Jun Tani *Professor*
OIST, Cognitive Neurorobotics Research Unit

Kazuhisa Shibata *Team Leader*
RIKEN CBS, Laboratory for Human Cognition and Learning

Kenji Doya *Professor*
OIST, Neural Computation Unit

Reiko Mazuka *Team Leader*
RIKEN CBS, Laboratory for Language Development

Program Committee

Kazuhiro Sakurada (RIKEN)
Tomomi Shimogori (RIKEN)
Tomoki Fukai (OIST)
Sam Reiter

Advances in neuroscience
-What are the strengths and limitations of current approaches?-

Jun Nagai *Team Leader*
RIKEN CBS, Laboratory for Glia-Neuron Circuit Dynamics

Bernd Kuhn *Professor*
OIST, Optical Neuroimaging Unit

Asuka Takeishi *RIKEN Hakubi Team Leader*
RIKEN CBS, Neural circuit of multisensory integration
RIKEN Hakubi Research Team

Yoko Yazaki-Sugiyama *Assoc. Professor*
OIST, Neuronal Mechanism for Critical Period Unit

AI/data science and brain/mind
-How can each inform the other?-

Sam Reiter *Assist. Professor*
OIST, Computational Neuroethology Unit

Tomomi Shimogori *Team Leader*
RIKEN CBS, Laboratory for Molecular Mechanisms of Brain Development

Tomoki Fukai *Professor*
OIST, Neural Coding and Brain Computing Unit

Henrik Skibbe *Unit Leader*
RIKEN CBS, Brain Image Analysis Unit

AUDITORIUM (AND ZOOM) **ZOOM**

2021
Oct. 6th - 7th
ONLINE **FREE ADMISSION**

RESERVATION REQUIRED

https://krs2.riken.jp/m/riken_oist_symposium_regist

Application Deadline: **September 27, 2021**
This symposium will be in English.

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