Osaka University Symposium, 3rd WPI-PRIMe International Symposium

As of Mar 4, 2025

-Towards Patient Bio-Digital Twin- Mar.14 (Fri) 9:30-19:00

Opening		
Opening 9:30- 9:35		
	Opening remarks by Shojiro Nishio (President, Osaka University)	
9:35- 9:40	Congratulatory speech by Akira Ukawa (Program Director, JSPS WPI Center)	
9:40- 9:50	Opening by Kohji Nishida (Center Director)	
Session 1	Technological Innovations for Bio-Digital Twin and Biological Modeling	Chairperson: Elisa DOMÍNGUEZ-HÜTTINGER Vivian Hwa
9:50-10:15 ONLINE	Linking morphological and anatomical properties of brain cells with spatial transcriptomics	Joshua Welch
10:15-10:40	Elucidating Kinase Binding Mechanisms in Cancer Pathways through State-of- the-Art molecular dynamics Simulations	Ai Shinobu
10:40-11:05	Machine learning models of omics data: Inferring biochemical principles using prior knowledge	David Sebastian Fischer
Keynote Lecture 1		Chairperson: Kenji Kamimoto
11:05-11:45 ONLINE	Mapping the multiscale human	Gary Bader
11:45-12:15	Flash Talk by Poster Presenters	
12:15-14:15	Lunch Break/ Poster Session	
Session 2	Harnessing AI for Disease Research and Healthcare Applications	Chairperson: Imad Abugessaisa Hideo Yokota
14:15-14:40	Advances in Predictive Modeling for Biomedical Research and Applications	Ayako Yachie
14:15-14:40 14:40-15:05	Advances in Predictive Modeling for Biomedical Research and Applications Autonomous Acquisition of Disease Model Digital Twin by Deep Learning	Ayako Yachie Jun Seita
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14:40-15:05		Jun Seita Chairperson:
14:40-15:05 Keynote Lecture 2	Autonomous Acquisition of Disease Model Digital Twin by Deep Learning	Jun Seita Chairperson: Takahiro Nemoto
14:40-15:05 Keynote Lecture 2 15:05-15:45	Autonomous Acquisition of Disease Model Digital Twin by Deep Learning Signaling in time and space	Jun Seita Chairperson: Takahiro Nemoto
14:40-15:05 Keynote Lecture 2 15:05-15:45 15:45-16:00	Autonomous Acquisition of Disease Model Digital Twin by Deep Learning Signaling in time and space BREAK	Jun Seita Chairperson: Takahiro Nemoto Edda Klipp
14:40-15:05 Keynote Lecture 2 15:05-15:45 15:45-16:00 Session 3	Autonomous Acquisition of Disease Model Digital Twin by Deep Learning Signaling in time and space BREAK Future Scientific Paradigms for Patient Bio-Digital Twin and ELSI	Jun Seita Chairperson: Takahiro Nemoto Edda Klipp Chairperson: Hajime Nagahara Takanori Takebe
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