

The 12th Takeda Science Foundation Symposium on PharmaSciences

ORGANOID 4D:

Development, Disease, Diversity and Discovery

Held concurrently with

**Yoshiki Sasai
Memorial
Symposium**

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ERATO
ORGANOID
DESIGN

- P143 A Primate-Specific Disaggregase Pathway Promotes Resilience to Oxidative Stress in Human Gut Organoids**
Vinodh J Sahayasheela, WPI-Bio2Q
- P144 Organoid-Derived Mucus Layer Model Demonstrates Barrier Protection Against pks⁺ E. coli Mutagenesis**
Andreas Michael Sihombing, Keio University
- P145 Single-cell quantification of BMP signaling dynamics in intestinal organoids**
Satomi F Ono, RIKEN Center for Biosystems Dynamics Research
- P146 Deciphering Endothelial and Mesenchymal Organ Specification in Vascularized Lung and Intestinal Organoids**
Yifei Miao, Chinese Academy of Sciences
- P147 Isolation of LGR5+ Cells from Fetal Rat Pancreas as Key Cellular Components for the Formation of Islet Organoids**
Nisrina Salsabila, Universitas Indonesia
- P148 A Novel Culture System Preserves Basal/MaSC Populations to Support Long-Term Mammary Organoid Growth**
Yui Miyauchi, Keio University
- P149 Bespoke Bioprinting of Stem Cell-Derived Pancreatic Islet Niches and Hypoimmunogenic Constructs for Translational Diabetes Therapy**
Myungji Kim, Pohang University of Science and Technology
- P150 A bioelectronic platform for modelling functional connections between neural organoids**
Scott Erickson, Swiss Federal Institute of Technology, EPFL
- P151 PIEZO1-YAP1 in Cholangiocytes Sustains Architecture and Guides Liver Assembloid Organization**
Beliz Uzun, Ihsan Dogramaci Bilkent University
- P152 Can Impedance measured by microchip be an indicator of fibroblast to myofibroblast differentiation?**
Aifang Han, RIKEN Center for Biosystems Dynamics Research
- P153 Injury and Therapy with "Dancing Molecules" in a Human Spinal Cord Organoid**
Nozomu Takata, Northwestern University
- P154 CellScapes: A Multidisciplinary Approach to Mapping and Engineering Cell State Transitions**
Ruwanthi Gunawardane, Allen Institute for Cell Science