

Special Symposium III in Commemoration of 20 Years of Collaboration in Life Sciences between the University of Bonn and Waseda University

Date: October 7 (Wed) 8:45-17:00

Venue: Conference Room 05, 2nd Floor, 63 Building, Campus of Faculty of Science and Engineering

Organized by

*Graduate School of Advanced Science and Engineering, Nano-Energy Unit of TGU Program,
Institute for Advanced Research of Biosystem Dynamics, Global Consolidated Research Institute for Science Wisdom, Research
Organization for Nano & Life Innovation, TWIns,
Waseda University
and
Life & Medical Sciences Institute (LIMES), The University of Bonn*

Registration: <https://forms.gle/VBGrnHY8BqufA7Uk7>

Registration Deadline: October 5 (Mon) 17:00



Program

8:45-8:50	Opening Address	Toru Asahi	Dean, Graduate School of ASE, Waseda University
8:50-9:15	Special Lecture Past, Present, and Future: Significance of International Collaboration Between the University of Bonn and Waseda University	Michael Hoch	Rector, The University of Bonn
9:20-9:45	Plenary Lecture "Raison d'être" of the Science and Technology in Society (STS) Forum in the Rapidly Changing World	Tateo Arimoto	Fellow, International Science Council / Visiting Professor, The National Graduate Institute for Policy Studies
9:50-10:15	Invited Lecture Introduction to the Moonshot Project: Human Symbiotic Robot "AIREC"	Shigeki Sugano	Professor, Graduate School of CSE, Waseda University
10:20-10:45	Invited Lecture The Space QOL R&D Hub under the JAXA Space Strategy Fund Project "SX-CRANE"	Tomomi Nonaka	Professor, Graduate School of CSE, Waseda University
10:50-11:10	Lecture Metabolic Function of Neuregulin1 and Its Regulatory Mechanisms	Nobuhito Goda	Professor, Graduate School of ASE, Waseda University
11:15-11:35	Lecture Bioinformatics Research in Hamada Laboratory	Michiaki Hamada	Professor, Graduate School of ASE, Waseda University
11:40-12:00	Lecture Single-cell Genomics of Archaea and Bacteria in Deep Subseafloor Sediments of the Guaymas Basin	Masahito Hosokawa	Professor, Graduate School of ASE, Waseda University
12:05-13:00	Lunch Break		
13:05-13:25	Lecture HER2 Heterogeneity and Distinct Cellular Phenotypes in Breast Cancer	Kentaro Semba	Professor, Graduate School of ASE, Waseda University
13:30-13:50	Lecture Bomedical Research in Ohshima Laboratory	Toshio Ohshima	Professor, Graduate School of ASE, Waseda University

13:55-14:15	Lecture Biofabrication of Epithelial Tissue with Enhanced Mucus Secretion and Its Application to Immunological Studies	Naoya Takeda	Professor, Graduate School of ASE, Waseda University
14:20-14:35	Oral Presentation Introduction to the iGEM-WASEDA	Ziyue Gao Masahiro Chiba Kahoru Takagi	B4, Dept. Life Sci. & Med. Biosci. B3, Dept. Life Sci. & Med. Biosci. B1, Dept. Elect. Eng. & Biosci.
14:40-14:55	Break		
15:00-15:15	Lecture Molecular Mechanisms and Evolutionary Diversity of Diapause in Crickets	Kosuke Kataoka	Associate Professor, Tokyo University of Agriculture and Technology / Waseda University
15:15-15:35	Lecture Molecular Codes for Parallel Basal Ganglia Circuits	Naosuke Hoshina	Assistant Professor, Waseda Institute for Advanced Study, Waseda University
15:40-16:00	Lecture Praj1 Directly Binds and Protects DNA	Wataru Onodera	Assistant Professor, Graduate School of ASE, Waseda University
16:05-16:25	Lecture AI, Experimental Automation, and Cell- Free/Synthetic Cells: Emerging Focus Areas in Japan's Synthetic Biology Policy	Daisuke Kiga	Professor, Graduate School of ASE, Waseda University
16:30-16:50	Lecture Looking Back at the Beginning, Looking Ahead: Memories of the Bonn- Waseda Collaboration	Takahiro Shinada	Professor, Center for Innovative Integrated Electronic Systems, Tohoku University
16:50-17:00	Closing Address	Michael Hoch Toru Asahi	Rector, The University of Bonn Dean, Graduate School of Advanced Science and Engineering, Waseda University