

Special Symposium on Life Science and Bioscience for International Collaboration of the University of Bonn and Waseda University

Date: October 10 (Fri) 13:10-18:30

Venue: Tokyo Women's Medical University-Waseda University Joint Institution for Advanced Biomedical Sciences (TWIns), Room 02N501

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*

Program

Chairperson: Prof. Toru ASAH (Waseda)

- 13:10 Opening Address
Prof. Masahiko GEMMA (Vice President for International Affairs, Waseda)
- 13:15 Invited Special Lecture "Importance of Promoting Fundamental Research, Fostering Research Talent, and Enhancing International Collaboration in University"
Prof. Michael HOCH (Rector, Bonn)
- 13:55 "A chemical genetic screen using fission yeast identifies a unique anti-microtubule drug that pauses microtubule dynamics"
Prof. Masamitsu SATO (Waseda)
- 14:15 "Neuregulin1 is a hepatokine that controls pancreatic beta cell proliferation in type2 diabetes"
Prof. Nobuhito GODA (Waseda)
- 14:35 "Enzyme-embedded Electrospun Polymeric Microfiber Sensor for Fluorometric Ethanol Gas Detection"
Prof. Naoya TAKEDA (Waseda)
- 14:55 *Break*
- 15:15 "Evolutionary Expansion of Learning-Dependent Olfactory Circuits through Foxg1"
Prof. Carina HANASHIMA (Waseda)
- Chairperson: Assoc. Prof. Masahito Hosokawa (Waseda)
- 15:35 Oral Presentation by Waseda Students I ***12 min. including Q&A**
Kodai TAKAHASHI (D2, Goda), "The NAD repair system protects cell from metabolic stress"
Shiho AOKI (LD3, Asahi), "Tau Protein Degradation Mechanism Mediated by E3 Ubiquitin Ligase Praja1"
Naoki KATO (D1, Bannai), "Somatic tau inclusions impair neuronal excitability and NMDA receptor responses in human iPSC-derived neurons"
Ayaka ITO (M1, Takeda), "Paper-based dual-layer scaffold for fabrication of three-dimensional and functional engineered tissues "
Yuri MUTO (M1, Sato), "Mechanisms of Cellular Awakening from Dormancy"
Valeria AYALA GUEVARA (D2, Ohshima), "Suppression of CRMP2 phosphorylation as possible treatment for alpha-synucleinopathies"

- 16:45 *Break*
- 16:50 Invited Lecture "Recent Advances in Life Science Research at Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University
Prof. Tatsuya SHIMIZU (Vice President, Tokyo Women's Medical University)
- Chairperson: Prof. Hiroko BANNAI (Waseda)
- 17:20 Oral Presentation by Waseda Students II ***12 min. including Q&A**
- Kazuya NAKAMICHI** (D3, Semba), "Nuclear receptor profiling for identifying diagnostic markers and therapeutic targets in 33 cancer types"
- Guangli HAN** (D2, Tsuneda), "Ancestral and Evolved Phage Cocktails Enhance Bactericidal Ability and Delay Phage Resistance in *Staphylococcus aureus*"
- Haruka TAMURA** (M1, Takeyama), "Spatial multiomics analysis of the hippocampus in an Alzheimer's disease mouse model"
- Kotaro KAWASAKI** (D2, Asahi), "Nuclear Praja1 binds DNA and reduce DNA damage"
- Shinji KINOSHITA** (D1, Inoue), "Responses of astrocyte to demyelination and its molecular mechanisms"
- Nupura Manish PRABHUNE** (M2, Takeoka), "Development of a gold-lipid hybrid nanoparticle system for siRNA delivery"
- 18:30 Closing Address
- Prof. Michael HOCH (Rector, Bonn)**
- Prof. Toru ASAH I (Dean of School /Graduate School of Advanced Science and Engineering, Waseda)**