

Joint Symposium between the University of Bonn and Waseda University

Date: October 3 (Fri) 9:00-18:00

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 Asahi (Waseda)

- 9:00 Opening Address
Prof. Etsuro Ito (Director of TWIns, Waseda)
- 9:05 Invited Lecture "Navigation and turning strategies of migrating leukocytes"
Prof. Waldemar Kolanus (Director of LIMES, Bonn)
- 9:35 "Development of Polymer Thin Film Engineering for Controlled Drug Release and Bioelectronics"
Prof. Shinji Takeoka (Waseda)
- 9:55 Invited Lecture "Regulation of chronic inflammation by activated dendritic cells"
Prof. Andreas Schlitzer (Bonn)
- 10:25 "Single-molecule imaging for neurological disorders and the anesthetic action mechanism"
Prof. Hiroko Bannai (Waseda)
- 10:45 **Break**
- Chairperson: Prof. Waldemar Kolanus (Bonn)**
- 11:00 "Genetic Dissection of Brain Networks"
Assist. Prof. Naosuke Hoshina (Waseda)
- 11:20 "Development of bacterial low input RNA-seq for analysis of gene expression dynamics in bacterial populations"
Assoc. Prof. Masahito Hosokawa (Waseda)
- 11:40 "AI-dependent protein generation for recombination of multiple transcription factors and their DNA-binding specificity"
Prof. Daisuke Kiga (Waseda)
- 12:00 "To Unveil Functional Properties of Edible Cricket"
Assoc. Prof. Chihiro Nozaki (Waseda)
- 12:15 "Nuclear Praja1 binds and protects DNA"
Assist. Prof. Wataru Onodera (Waseda)
- 12:30 **Lunch Break**
- Chairperson: Prof. Andreas Schlitzer (Bonn)**
- 13:10 Oral Presentation on Host Lab Activity by Bonn Students
***15 min. including Q&A**
Neha Lonkar (McManus Lab. / host lab. Bannai Lab.)
Julia König (Schlitzer Lab. / host lab. Takeyama & Hosokawa Lab.)
Alina Hunecke (Schlitzer Lab. / host lab. Takeyama & Hosokawa Lab.)
Mirka Homrich (Kolanus Lab. / host lab. Takeoka Lab.)
Hannah Seifert (Kolanus Lab. / host lab. Inoue Lab.)
Domagoj Doric (Hasenauer Lab. / host lab. Asahi Lab.)

14:40 **Break**

Chairperson: Prof. Toshio Ohshima (Waseda)

14:45 "A small isoform with powerful functions protecting mitochondria against oxidative stress"

Assist. Prof. Daisuke Shimura (Waseda)

15:00 "The role of CRMP4 in drug-induced Parkinson's disease"

Assist. Prof. Ryo Asahina (Waseda)

15:15 "Molecular basis for the regulation of rRNA degradation by RNase I"

Junior Researcher Atsushi Minami (Waseda)

15:30 **Break**

Chairperson: Assist. Prof. Wataru Onodera (Waseda)

15:45 Oral Presentation by Waseda Students

***10 min. including Q&A**

Yuta Doi (D3, Semba), "Elucidating the Mechanisms of Tumor Proliferation in the Brain Using ALK-Positive Lung Cancer Cell Lines"

Shuto IKEDA (D2, Tsuneda), "Culture Supernatant-Mediated Regulation of Generation Time Drives Stochastic Awakening in Ammonia-Oxidizing Bacteria"

Boxiao Zhao (D2, Bannai), "CPTX enhances PSD-95 clustering and PSD-95-TARP co-localization at 24 h in hippocampal neurons"

Haruka Hosoki (LD3, Asahi/Nozaki), "Age-Dependent Modulation of the Dual Roles of CB2 Receptor in Inflammatory Regulation"

Nuzat Tabassum Islam (M1, Nozaki/Asahi), "Investigating the Impact of CB2 Receptors on Haemtopoietic Stem Progenitor Cells"

Chairperson: Assoc. Prof. Chihiro Nozaki (Waseda)

Saho Fujieda (D1, Goda), "ADAM17 cleaves neuregulin1 α , a novel anti-diabetic hepatokine, on mouse hepatocytes"

Atsuhiro Yamaguchi (M2, Takeoka), "Quantification of biomarkers using latex agglutination and image analysis"

Takao Tsurumaki (M1, Sato), "In vitro development of ovarian follicles from mice lacking the microtubule-associated protein Camsap3"

Yuhō Tani (M1, Takeyama), "Integrated spatiotemporal analysis of the soybean nodule symbiosis system"

Takaomi Yamada (LD3, Inoue), "Voltage Imaging reveals Dynamic Partial Synchrony of Purkinje cell dendrites"

17:50 Closing Address

Prof. Waldemar Kolanus (Director of LIMES, Bonn)

Prof. Toru Asahi (Dean of School /Graduate School of Advanced Science and Engineering, Waseda)