

Joint Symposium between Waseda University and the University of Bonn

Date: March 16 (Tue) 17:00-21:00 (JST)

Venue: Online on Zoom

Organized by

*Tokyo Women's Medical University-Waseda University Joint Institution
for Advanced Biomedical Sciences (TWIns),
Nano-Energy Unit of TGU Program,
Institute for Advanced Research of Biosystem Dynamics,
Global Consolidated Research Institute for Science Wisdom,
Major in Bioscience, English-based Undergraduate Program in Science and Engineering,
Waseda University*

and

The Life & Medical Sciences Institute (LIMES), the University of Bonn

Program

17:00-17:10 Opening Session

Chairperson: Prof. Toru Asahi (Director, Global Consolidated Research
Institute for Science Wisdom Waseda)

17:00 Opening Address

Prof. Waldemar Kolanus (Director, LIMES, Bonn)

Prof. Nobuhito Goda (Director, Research Promotion Division, Waseda)

17:10-19:05 Lecture Session *15 min. including Q&A

Chairperson: Prof. Waldemar Kolanus (Bonn)

17:10 Invited Lecture "Novel insight into neurological disorders revealed single-molecule imaging"
Prof. Hiroko Bannai (Waseda)

17:25 Lecture "Cyst formation in renal tubules caused by dysfunction of the microtubule regulator
CAMSAP3"
Assoc. Prof. Mika Toya (Waseda)

17:40 Invited Lecture "Generation of adipose tissue organoids to study metabolism and immune cell
adipocyte crosstalk"
Dr. Priv. Dozent Heike Weighardt (Bonn)

17:55 Lecture "Obesity and neuroinflammation - Why and how and when endocannabinoid systems
takes bipolar roles?"
Assoc. Prof. Chihiro Nozaki (Waseda)

18:10 Lecture "Raman microspectroscopy and Raman imaging reveal novel biomarkers specific for
thoracic aortic aneurysms"
Assist. Prof Kaori Sugiyama (Waseda)

Chairperson: Prof. Haruko Takeyama (Waseda)

18:25 Lecture "Genome research toward insect-based sustainable food production system"
Assist. Prof. Kosuke Kataoka (Waseda)

18:40 Lecture "Cholesterol induced calcium oscillation found in astrocytes"
Research Associ. Chihiro Adachi (Waseda)

18:50 Invited Lecture "Smart Cyber Operating Theater (SCOT) to realize by Internet of Things (IoT)"
Prof. Yoshihiro Muragaki (TWMU)

19:05-19:10 Break

19:10-20:45 Short Presentation Session *7 min. including Q&A

Chairperson: Prof. Toshio Ohshima (Director, Institute for Advanced Research of Biosystem Dynamics, Waseda)

	Title	Speaker Name	Lab Name
19:10	Modality specific impairment of hippocampal CA1 neurons of App knock-in mice	Risa Takamura	Ohshima
19:18	Analysis of novel broadly reactive antibody repertoire induced by immunization of conformationally modulated HA vaccine	Keisuke Tonouchi	Takeyama
19:26	Development of rapid biomolecules detection system using temperature-responsive fluorescence probes"	Runkai Hu	Takeoka
19:34	Characterization of MazEF toxin-antitoxin systems of nitrifying bacteria	Rie Aoi	Tsuneda
19:42	Trp53 regulates mesenchymal stem cell capacity and tumorigenesis during aging	Yuriko Sorimachi	Goda
19:50	Bio-hybrid DNA nano-engine	Mathias Centola	Famulok

Chairperson: Prof. Shinji Takeoka (Co-Director, *TWIns*, Waseda)

19:58	Developmental programming of Kupffer cells via maternal obesity	Nora Balzer	Mass
20:06	Contribution of resident macrophages to the HSC niche and their heterogeneity in the fetal liver	Amir Kayvanjoo	Mass
20:14	Identification of highly brain-colonizing HER2-positive breast cancer cell lines and their gene expression analysis	Yuka Kuroiwa	Semba
20:22	Daily irregular light-dark shift causes LPS-induced sepsis through dysbiosis in mice	Akito Ito	Shibata
20:30	Elucidation of the mechanism that maintains the position of the centromeric region on the chromosome	Yuki Shogaki	Sato
20:38	Mammalian cell cultivation using microalgal extract for production of cultured meat	Yuta Okamoto	Asahi

20:45-21:00 Closing Session

20:45 Special Message
Prof. Michael Hoch (Rector of the University of Bonn)

20:55 Closing Address
Prof. Toru Asahi (Waseda)

21:00-21:30 Online Reception on Spatial Chat Chairperson Prof. Toru Asahi (Waseda)

Greeting & Prost
Prof. Kenichi Oyaizu (Unit Leader, Nano-Energy Unit of TGU Program, Waseda)