

Joint Symposium and Workshop between Waseda University and the University of Bonn

Date: Nov.7 (Thr) and Nov.8 (Fri)

Venue: Seminar Room 3 at the 3rd floor in the TWIns

Organized by

TWIns

Nano-Energy Unit of TGU Program

Institute for Advanced Research of Biosystem Dynamics

Global Consolidated Research Institute for Science Wisdom, Waseda University

and

LIMES, the University of Bonn

Date: Nov.7 (Thr).

Chairperson: Prof. Toru Asahi (Waseda)

13:20 Opening Address
Prof. Maji Rhee (Director, International Affair Division, Waseda)

13:30 Introduction of "German Excellent University Program"
Prof. Michael Hoch (Rector, Bonn)

Chairperson: Assist. Prof. Tianshu Li (Waseda)

13:45 Lecture "Hepatokine and diabetes mellitus"
Prof. Nobuhito Goda (Waseda)

13:55 Invited Lecture "Understanding myeloid cell adaptation through space and time"
Prof. Andreas Schlitzer (Bonn)

14:10 Lecture "Roles of CRMPs in neuronal development and regeneration"
Prof. Toshio Ohshima (Waseda)

14:20 Lecture "Circadian clock dysfunction in chronic kidney disease model mice"
Prof. Yu Tahara (Waseda)

14:30 Invited Lecture "Environmental control of immune homeostasis and metabolism"
Prof. Irmgard Foerster (Bonn)

14:45 Lecture "Studies on oncogenes in our laboratory"
Prof. Kentaro Semba (Waseda)

14:55 Lecture "Molecular mechanism of *ldhA*-mediated persister formation in *Escherichia coli*"
Prof. Satoshi Tsuneda (Waseda)

15:05 Plenary Lecture "Axon morphogenesis, maintenance and CNS synapse formation"
Prof. Dietmar Schmucker (Bonn)

15:35 Break

15:50 Introduction of "Nano-Energy Unit of TGU Program"
Prof. Kenichi Oyaizu (Nano-Energy Unit Leader of TGU Program, Waseda)

Chairperson: Prof. Andreas Schlitzer (Bonn)

- 16:00 Lecture "Interaction of cationic liposomes with cells in different manners depending on the lipid structure"
Assist. Prof. Tianshu Li (Waseda)
- 16:15 Invited Lecture "The making of tissue-resident macrophages - nature versus nurture"
Prof. Elvira Mass (Bonn)
- 16:25 Lecture "Microtubule regulation in yeast and mouse epithelium"
Prof. Prof. Masamitsu Sato (Waseda)
- 16:35 Lecture "Fiber-based scaffolds for engineered 3D tissues fabrication"
Prof. Naoya Takeda (Waseda)
- 16:45 Lecture "Functional analysis of C391R mutant cereblon"
Prof. Naoya Sawamura (Waseda)
- 16:55 Lecture "Site-specific transcriptome analysis of micro-punched tissues"
Dr. Hiroko Matsunaga. (Waseda)
- 17:05 Lecture "Single-cell genome sequencing enables the high-resolution analysis of environmental bacteria"
Dr. Yohei Nishikawa (AIST, WASEDA-OIL)
- 17:15 Lecture "Sonic Hedgehog-induced enhancement of Ca oscillation in astrocytes"
Prof. Takafumi Inoue (Waseda)
- 17:25 Lecture "Photomechanical crystals for medical catheter"
Dr. Takuya Taniguchi (Waseda)
- 17:35 Closing Address
Toru Asahi (Director, Global Consolidated Research Institute for Science Wisdom Waseda)
- 18:00 Reception

Date: Nov.8 (Fri).

Venue: Seminar Room 1 at the 3rd floor in the TWInS

	Presentation Title	Speaker Name	Lab Name	Grade
9:00	Opening address from Prof. Hoch			
9:10	Analysis of interaction between Cereblon and Amyloid Precursor Protein	Tomotaka Kurihara	Asahi	M2
9:16	Molecular evolution of APP family proteins: Specialization of APLP1 towards synaptic adhesion molecule	Wataru Onodera	Asahi	M2
9:22	Au-based mesoporous film for non-enzymatic glucose detection	Asep Sugih Nugraha	Asahi	D1
9:28	Role of clock gene period in growth and feeding behavior in crickets: toward the development of high-yield production of edible insect for sustainable aquaculture.	Shota Hayakawa	Asahi	LD1
9:34	The Role of HDAC in Regenerative Neurogenesis of Adult Zebrafish Optic Tectum	Mariko Kiyooka	Ohshima	M1
9:40	Mesenchymal loss of Trp53 results in defective stress hematopoiesis and fibrosarcoma development	Yuriko Sorimachi	Goda	M1
9:46	Analysis of a New CENP-A Mutant of Fission Yeast	Yu Ono	Sato	M2
9:52	Functional analysis for the microtubule minus-end binding protein CAMSAP2 in spindle assembly	Naoko Nishizawa	Sato	M2
9:58	Coffee Break			

10:15	Expression Analysis of a Novel lncRNA Induced under the Endoplasmic Stress Condition	Yutaro Wakabayashi	Semba	D1
10:21	Establishment and Characterization of Luminal High-Osteolytic Breast Cancer Cell Lines Using Intra-Caudal Arterial Injection	Yuxuan Han	Semba	M2
10:27	In situ detection of bioactive compounds in microbiomes by Raman microspectroscopy an multivariate analysis	Shumpei Horii	Takeyama	M2
10:33	Simultaneous isolation of DNA and RNA from micro tissue for site-specific transcriptome and genomic analysis	Miki Yamazaki	Takeyama	M2
10:39	Intracellular kinetic analysis of Streptococcus pneumoniae	Yuko Honjo	Takeyama	B4
10:45	Integrated analysis of the spatial transcriptome and open chromatin information in heterogeneous micro punched tissues	Ryota Wagatsuma	Takeyama	B4
10:51	Coffee Break			
11:15	Effects of caffeine and histidine administration on circadian rhythm disturbances	Satoshi Oneda	Shibata	B4
11:21	Effects of acute endurance exercise performed in the morning or evening on 24-h interstitial fluid glucose levels in healthy young men	Shota Furuhashi	Shibata	B4
11:27	Chronological investigation in epicutaneous sensitized acute food allergy mouse model	Aato Watabe	Shibata	B4
11:33	Fabrication of engineered tissues using cellulose nanofiber gels as three-dimensional culture scaffolds	Haruka Nishida	Takeda	M1
11:39	Development of mechanostress-sensing polymer by using charge transfer complex	Yuji Tsuchido	Takeda	Assist. Prof.
11:45	Preparation of liposomes in microfluidic device for drug screening	Morihiro Hotta	Takeoka	D1
11:51	Engineering adipose-derived stem cell spheroids on free-standing porous PDLLA nanosheets	Erica	Takeoka	M2
11:57	In vitro evaluation of lysine cationic liposomes: NLRP3 inflammasome activator- K3C14 and K3C16	Aya Kitanaka	Takeoka	B4
12:03	Closing address from Prof. Asahi			

12:20 Lunch Break

13:30 Intensive Discussion for Further Collaborations between the University of Bonn and Waseda University and Mutual Understanding Event