

# 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: 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: Shinji Takeoka (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: Dr. Andreas Schlitzer (Bonn)

- 16:00 Lecture "Interaction of cationic liposomes with cells in different manners depending on the lipid structure"  
Prof. Shinji Takeoka (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	<b>Opening address from Prof. Hoch &amp; Prof. Asahi</b>			
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	The Role of HDAC in Regenerative Neurogenesis of Adult Zebrafish Optic Tectum	Mariko Kiyooka	Ohshima	M1
9:34	Mesenchymal loss of Trp53 results in defective stress hematopoiesis and fibrosarcoma development	Yuriko Sorimachi	Goda	M1
9:40	Analysis of a New CENP-A Mutant of Fission Yeast	Yu Ono	Sato	M2
9:46	Functional analysis for the microtubule minus-end binding protein CAMSAP2 in spindle assembly	Naoko Nishizawa	Sato	M2
9:52	Expression Analysis of a Novel lncRNA Induced under the Endoplasmic Stress Condition	Yutaro Wakabayashi	Semba	D1
9:58	Establishment and Characterization of Luminal High-Osteolytic Breast Cancer Cell Lines Using Intra-Caudal Arterial Injection	Yuxuan Han	Semba	M2

10:04	<b>Break</b>			
10:25	In situ detection of bioactive compounds in microbiomes by Raman microspectroscopy and multivariate analysis	Shumpei Horii	Takeyama	M2
10:31	Simultaneous isolation of DNA and RNA from micro tissue for site-specific transcriptome and genomic analysis	Miki Yamazaki	Takeyama	M2
10:37	Intracellular kinetic analysis of Streptococcus pneumoniae	Yuko Honjo	Takeyama	B4
10:43	Integrated analysis of the spatial transcriptome and open chromatin information in heterogeneous micro punched tissues	Ryota Wagatsuma	Takeyama	B4
10:49	Effects of caffeine and histidine administration on circadian rhythm disturbances	Satoshi Oneda	Shibata	B4
10:55	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
11:01	Chronological investigation in epicutaneous sensitized acute food allergy mouse model	Aato Watabe	Shibata	B4
11:07	Fabrication of engineered tissues using cellulose nanofiber gels as three-dimensional culture scaffolds	Haruka Nishida	Takeda	M1
11:13	Development of mechanostress-sensing polymer by using charge transfer complex	Yuji Tsuchido	Takeda	Assist. Prof.
11:19	Preparation of liposomes in microfluidic device for drug screening	Morihiro Hotta	Takeoka	D1
11:25	Engineering adipose-derived stem cell spheroids on free-standing porous PDLLA nanosheets	Erica	Takeoka	M2
11:31	In vitro evaluation of lysine cationic liposomes: NLRP3 inflammasome activator- K3C14 and K3C16	Aya Kitanaka	Takeoka	B4
11:37	<b>Closing address from Prof. Hoch &amp; Prof. Asahi</b>			

12:00 Lunch Break

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