

**19th German-Japanese Joint Symposium
between the University of Bonn and Waseda University**

September 18, 2017

**Life & Medical Sciences Institute (LIMES)
University of Bonn, Carl-Troll-Str. 31, D- 53115 Bonn**

Organizer

Prof. Waldemar Kolanus, Life & Medical Sciences Institute (LIMES), University of Bonn
Prof. Michael Hoch, Life & Medical Sciences Institute (LIMES), University of Bonn
Prof. Toru Asahi, Life Science & Biomedical Science, Waseda University
Prof. Takafumi Inoue, Life Science & Biomedical Science, Waseda University

Organization

- Life & Medical Sciences Institute (LIMES)
- DFG Cluster of Excellence ImmunoSensation and SFB 704
- Tokyo Women's Medical University-Waseda University Joint Institution for Advanced Biomedical Sciences (TWIns)
- Core-to-Core Program “Three Dimensional Development of Lab-Exchange type Biomedical Science Research Consortium”
- Top Global University Program “Waseda Goes Global”
- Leading Graduate Program in Science and Engineering, Waseda University
- The Global Biomedical Green Science Institute (GBGSI)
- Research Organization for Nano and Life Innovation

PROGRAM

09:30-09:40 Opening Address

Prof. Waldemar Kolanus (Managing Director, LIMES, Bonn)

Chair: T. Asahi

9:40-10:00

Prof. Shinji Takeoka, Waseda

“Introduction of nanomedicine research in Takeoka Laboratory”

10:00-10:20

Prof. Irmgard Förster, LIMES, Bonn

“Regulation of intestinal immunity through the AhR Repressor”

10:20-10:40

Prof. Daisuke Kiga, Waseda

“Synthetic Biology: Engineering of genetic codes and genetic circuits”

10:40-11:00

Dr. Andreas Schlitzer, LIMES, Bonn

“Understanding myeloid cell complexity in the age of single cell biology”

11:00-11:20

Dr. Hisashi Anbutsu, AIST

“An introduction of AIST-WASEDA CBBB-OIL”

Chair: S. Takeoka

11:20-11:40

Assistant Prof. Toshinori Fujie, Waseda/JST

“Nanosheet-based biodevice for implantable and injectable electronics”

11:40-12:55

Report on Summer Program Activity in Bonn (12 minutes each)

Keiko Nakahara (Takeoka lab)

“Prediction of ligand binding structure using molecular docking”

Nana Kokubo (Takeoka lab)

“Evaluation of biocompatibility of polymer-nanosheet neuronal electrodes in organotypic hippocampal slice cultures”

Kazuma Yoshino (Takeoka lab)

“Evaluation of the effect of cationic liposomes on tetraspanins by FRAP analysis”

Yoshitaka Suematsu (Takeoka lab)

“Application of RNA aptamer by SELEX to cell transduction and RiboGreen assay”

Mamoru Nishiura (Takeoka lab)

“The synthesis of the anionic lipid with phosphate group for liposomes”

12:55-13:35 Lunch

13:35-13:55

Prof. Haruko Takeyama, Waseda

“Introduction of Takeyama lab and research topics”

Chair: H. Takeyama

13:55-14:15

Dr. Masahito Hosokawa, Waseda/JST

“Microtools for single-cell and micro-tissue analysis”

14:15-15:15

Report on Summer Program Activity in Bonn (12 minutes each)

Naoki Takada (Takeyama lab)

“Evaluation of the effect of cationic liposome on tetraspanin by STED analysis”

Ryohei Nakaguro (Takeyama lab)

“Analysis of Gustatory Receptors and its Effect using CaMPARI and Food Intake”

Jin Okubo (Shibata lab)

“The evaluation of the effects of I3C working through the AhR system”

Ai Todoh (Shibata lab)

“Analysis of the osteoblast in the bone marrow by FACS”

15:15-15:35

Prof. Takafumi Inoue, Waseda

“Introduction of Inoue lab and research topics”

Chair: T. Inoue

15:15-16:30

Report on Summer Program Activity in Bonn (12 minutes each)

Hideaki Kubodera (Inoue lab)

“Functional analysis of tracheal dendritic neurons in Drosophila”

Yoshiki Hatashita (Inoue lab)

“Analysis of inflammatory Responses in CNS”

Kazuya Ohno (Inoue lab)

“The method of single-cell RNA-seq and analysis for single cell genomics”

Yumeno Koga (Ohshima lab)

“Characterization of Skin Dendritic Cells and Comparison with Bone Marrow Derived Dendritic Cells”

Yasuhiro Suzuki (Goda lab)

“Fundamental techniques in life science”

16:30-16:45 Coffee Break

Chair: D. Kiga

16:45-17:30

Report on Summer Program Activity in Bonn (12 minutes each)

Mihono Mori (Tsuneda lab)

”Identifying active compounds by Molecular Operating Environment (MOE)”

Wataru Onodera (Asahi lab)

“Molecular Operating Software MOE and its application to Protein Geometry Analysis”

Tomo Tanaka (Takeda lab)

“Fiber scaffolds for cellular migration and 3D migration assay”

17:30-17:50

Dr. Reinhard Bauer, LIMES, Bonn
"Lipid Metabolism Disorders"

17:50-18:10

Dr. Buqin Yi (Kolanus lab)
„Salt dependent differentiation of myeloid cells of the skin“

18:10-18:30

Prof. Toru Asahi, Waseda
“Introduction of recent talent development program in Waseda”

18:30-18:40 Closing Address

Prof. Michael Hoch, Rector, Bonn

Joint Party between Bonn and Waseda