

**20th German-Japanese Joint Symposium on Life and Medical Sciences:
Interdisciplinary Research for Ageing Society**

September 17, 2018

**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

Chair: T. Asahi

09:30-09:35 Opening Address from the University of Bonn
Prof. Waldemar Kolanus, Managing Director, LIMES, Bonn

9:40-10:00 Opening Address from Waseda University
Prof. Takafumi Inoue

10:00-10:30 Keynote Lecture
Prof. Haruko Noguchi, Waseda
“Japan’s Challenge to Ageing -Demographic Trend, Health Determinants, and Public Policies-”

10:30-10:45
Prof. Christoph Thiele, LIMES, Bonn
“Lipid tracing by click mass spectrometry”

10:45-10:55
Prof. Shinji Takeoka, Waseda
“Collaborative studies on membrane fusion of cationic aminolipid liposomes with FRAP and porous nanosheet”

10:55-11:10
Dr. Andreas Schlitzer, LIMES, Bonn
“Understanding human innate immune training”

11:10-11:20
Prof. Toshio Oshima, Waseda
“LKE improves outcome in MPTP-induced mouse model of Parkinson’s disease”

Chair: T. Oshima

11:20-11:30
Prof. Haruko Takeyama, Waseda
“Approaches to understanding microbiome in organisms”

11:30-12:00 Report on Summer Program Activity in Bonn (8 minutes each: 5 min + 3 min)
Aya Watanabe (Shibata lab) & **Megumi Aoyama** (Semba lab)
“Evaluation of T-cell activation by CD3 and CD28 stimulation”
Akari Kawabata (Ohshima lab)
“Analysis of proliferation promoting effect of Trim71 using cancer cell lines”

12:00-12:10 Welcome Address
Prof. Michael Hoch, Rector, Bonn

12:10-13:00 Lunch

Chair: T. Inoue

13:00-13:20
Prof. Takayuki Akimoto, Waseda
“ MicroRNAs, skeletal muscle and ageing”

13:20-13:35
Dr. Elvira Mass, LIMES, Bonn
“Developmental origin of osteoclasts”

13:35-13:50
Dr. Shinya Aoyama, Waseda

“Meal Distribution of Dietary Protein Influences Muscle Mass”

13:50-14:30 Report on Summer Program Activity in Bonn (8 minutes each: 5 min + 3 min)

Shotaro Kamizono (Inoue lab)

“Beta-galactosidase as marker of senescence: differences in WT and CB1 knockout mice”

Meitei Hao (Takeoka lab)

“Viability of ESdM & HEK cell on nanosheet: toward biological transplantation of nanosheet”

Koki Hama (Shibata lab)

“Investigate the metabolism of various alkyne fatty acids in human colon HCT116 cells”

Tatsuto Nakajima (Takeoka lab)

“The synthesis of alkyne labeled long alkyl alcohol, tetradec-13-yn-1-ol, for observing cationic liposomes”

14:30-15:00 Coffee Break

Chair: H. Takeyama

15:00-15:10

Prof. Takafumi Inoue

“Astrocytic end foot behavior after laser ablation”

15:10-15:25

Dr. Naoko Shibata, Waseda

“Lymphoid tissue-resident *Alcaligenes* LPS induces IgA production without excessive inflammatory responses via weak TLR4 agonist activity”

15:25-15:40

Prof. Waldemar Kolanus, Managing Director, LIMES, Bonn

“Leucocytes navigate in time and space”

15:30-15:45

Dr. Pui Shan Wong, OIL, Waseda

“Overview of bioinformatics in interdisciplinary research”

15:45-16:00

Mr. Kosuke Kataoka, Bonn and Waseda

“Cannabinoid receptor type 1 regulates mitophagy in hippocampus”

16:00-16:15

Ms. Reika Chijiwa, Bonn and Waseda

“Dietary influences on AhR signaling, microbiota composition and immune function in the Gut”

16:15-17:15 Report on Summer Program Activity in Bonn (8 minutes each: 5 min + 3 min)

Yuto Ogushi (Goda lab)

“Effects of branched chain amino acid on macrophage metabolism and cytokine secretion”

Kazuto Shiga (Shibata lab)

“Effect of inulin on SNAP-25 in HepG2 cells”

Tomotaka Kurihara (Asahi lab)

“Analysis of amyloid precursor protein clustering mechanism”

Mariko Kiyooka (Ohshima lab)

“Analysis of effects of obesity on immune cells”

17:15-17:25 Closing Address & Proposal of the Next Core-to-Core Program

Prof. Toru Asahi, Waseda

Joint Party between Bonn and Waseda