

The 16th Joint Symposium between the University of Bonn and Waseda University

2nd February , 2015

TWIns 50-3-S104 (Seminar Room 3)

Organizer

Prof. Michael Hoch, Life & Medical Sciences (LIMES) Institute, University of Bonn

Prof. Toru Asahi, Life Science & Medical Bioscience, Waseda University

Prof. Shinji Takeoka, Life Science & Medical Bioscience, Waseda University

Prof. Haruko Takeyama, Life Science & Medical Bioscience, Waseda University

Co-Organization

Faculty of Science and Engineering, Waseda University Tokyo

Section Molecular Biomedicine, Faculty for Mathematics and Natural Sciences, University of Bonn

Financial Support

Top Global University Project, 'Waseda Goes Global: A Plan to Build a Worldwide Academic Network that is Open, Dynamic and Diverse', MEXT

The European Union Institute in Japan (EUIJ), Waseda University

Organization for European Studies, Waseda University

Core-to-Core Program, 'Three Dimensional Development of Lab-Exchange Type Biomedical Science Research Consortium', JSPS

Program for Leading Graduate Schools, 'Leading Graduate Program in Science and Engineering, Waseda University', MEXT

Program

- 9:30 — Opening Address, **Prof. Shuji Hashimoto**, Vice President, Waseda University
- 9:45 — Keynote Lecture, **Prof. Michael Hoch**, Director of LIMES, University of Bonn, “Lipid metabolism and Drosophila disease models”
- 10:15 — Special Lecture, **Prof. Masaomi Tsutsumi**, Vice President for Public Relations and International Affairs, Tokyo University of Agriculture and Technology, “The Global Strategy of TUAT and Present Initiatives”
- 10:40 — Invited Lecture, **Prof. Andreas Zimmer**, University of Bonn, “Cannabinoid signaling in old age: New highs for aging science”
- 11:10 — Lecture, **Prof. Shinji Takeoka**, Waseda University, “Progress and applications of nanomaterials for biomedical applications”
- 11:25 — Invited Lecture, **Prof. Michael Pankratz**, University of Bonn, “Nutrition, eating behavior and the brain”
- 11:55 — Lunch
- 12:40 — Lecture, **Prof. Shigenobu Shibata**, Waseda University, “Interactions between circadian system and exercise”
- 12:55 — Lecture, **Prof. Nobuhito Goda**, Waseda University, “Metabolic adaptation to hypoxia”
- 13:10 — Lecture, **Assoc. Prof. Naoya Sawamura**, Waseda University, “The functions of cereblon as E3 ubiquitin ligase and Lon protease”
- 13:25 — Lecture, **Lecturer. Tetsushi Mori**, Waseda University, “Understanding the relationship of gut microbiota with the host innate immune system”

Oral Presentation

- 13:45 — **Philip Schlegel**, “Connectomic analysis of a peptidergic microcircuit controlling feeding behavior in Drosophila”, Pankratz lab
- 14:00 — **Eva Beins**, “Studying the endocannabinoid system in organotypic hippocampal slice cultures”, Zimmer lab

- 14:15 — **Paul Kern** , “Creld2- a regulator of the unfolded protein response?”, Hoch lab
- 14:30 — **Rimi Miyaoka**, Masahito Hosokawa, Masahiro Ando, Tetsushi Mori, Hiro-o Hamaguchi, Haruko Takeyama, “*In situ* Raman imaging of secondary metabolites within antibiotic-producing bacteria”, Takeyama Lab
- 14:38 — **Takuya Yoda**, Maiko Tanabe, Sonoko Ishino, Yoshizumi Ishino, Haruko Takeyama, Hirokazu Nishida, “The roles of the interactions between DNA and PCNA in DNA transactions”, Takeyama Lab
- 14:46 — **Toru Maruyama**, Michihiro Ito, Yusuke Okubo, Haruko Takeyama, “Computational analysis of host-mediated selection on coral-associated bacterial community”, Takeyama Lab
- 14:54 — **Yohei Nishikawa**, Masahito Hosokawa, Haruko Takeyama, “Droplet-based multiple displacement amplification method for single-cell genomic analysis” ,Takeyama Lab
- 15:02 — **Miyu Moriyama**, Haruko Takeyama, Hideki Hasegawa, Takeshi Ichinohe, “Regulation of influenza virus-specific adaptive immunity by microbiota”, Takeyama Lab
- 15:10 — **Kento Yamagishi**, Alessandra Zucca, Toshinori Fujie, Francesco Greco, Virgilio Mattoli, Shinji Takeoka, “Fabrication of conductive PEDOT:PSS nanosheets towards application as skin-contact electrodes”, Takeoka Lab
- 15:18 — **Kazuaki Sawaki**, Kento Yamagishi, Atsushi Murata, Shinji Takeoka, “Design and synthesis of fluorescent Cu-free clickable probes for specific monitoring of bioactive molecules in living cells”, Takeoka Lab
- 15:26 — **Takuya Miyagawa**, Mitsumasa Homma, Eick Latz, Shinji Takeoka, “Construction of ratiometric fluorescent probes for organelle temperature imaging”, Takeoka Lab
- 15:35 — Break
- 15:50 — **Satoko Shinjo**, Yuta Nomura, Nobuhito Goda, “Mechanisms of insulin resistance induced by saturated fatty acid”, Goda Lab
- 15:58 — **Jun Nagai**, Yoshiteru Kitamura, Kazuki Owada, Yoshio Goshima and Toshio Ohshima, “Genetic modifications of *Crmp* promotes recovery from spinal cord injury”, Ohshima Lab

- 16:06 — **Naoto Watamura**, Junya Toba, Aya Yoshii, Toshio Ohshima, “Protein phosphorylation in NFT formation in Alzheimer’s disease model mouse” , Ohshima Lab
- 15:14 — **Hiroki Nansai**, Tomoaki Chikazawa, Teruyoshi Goto, Junichi Ito, Rui Sekine, Donghyun Yoon, Yutaro Nakamura, Tetsushi Sekiguchi, Shuichi Shoji, Naoya Takeda, “Fabrication of Blood Capillary in the Co-axial Double Layered Gel Fiber Using the Novel 3D Sheath Flow Microfluidic Device”, Takeda Lab
- 16:22 — **Yoshiyuki Kasai**, Masayuki Yamato, Ryo Takagi, Naoya Takeda, Teruo Okano, “Ex vivo Studies on the Mechanistic Details of Adhesion and Wound Healing of Epithelial Cell Sheet” , Takeda Lab
- 16:30 — **Tomonari Sunaga**, Naoyuki Okada, Kunio Arai and Masamitsu Sato, “How microtubule is nucleated *in vivo*”, Sato Lab
- 16:38 — **Natsumi Nambu**, Kunio Arai and Masamitsu Sato, “A genetic screen to isolate mutants defective in spindle formation in fission yeast”, Sato Lab
- 16:46 — **Takuma Abe**, Norisuke Ushiki, Hirotsugu Fujitani, Satoshi Tsuneda, “Isolation of Uncultured Ammonia-Oxidizing Bacteria with Innovative Method”, Tsuneda Lab
- 16:54 — **Satoru Wakabayashi**, Naoya Sawamura, Toru Asahi, Michael Hoch, “Functional analysis of *dCRBN*, the *Drosophila* homologue of human Cereblon gene”, Asahi Lab
- 17:02 — **Alexander Hoch**, Satoru Wakabayashi, Kodai Matsumoto, Naoya Sawamura, Toru Asahi, Michael Hoch, “Generating a transgenic fly line for Gal4-driven *GFP-dCRBN* expression”, Asahi Lab
- 17:10 — **Kodai Matsumoto**, Satoru Wakabayashi, Haruka Yamada, Toru Asahi, Naoya Sawamura, “The cell protective effects of cereblon against proteasome inhibition” , Asahi Lab
- 17:18 — **Kosuke Kataoka**, Toru Asahi, Naoya Sawamura, “Functional analysis of mitochondria-targeted cereblon” , Asahi Lab
- 17:30 — Closing Address, **Prof. Sin’ichi Oishi**, Senior Dean, Faculty of Science and Engineering, Waseda University