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

## Date: October 4 (Fri) 9:00-18:30 Venue: Tokyo Women's Medical University-Waseda University Joint Institution for Advanced Biomedical Sciences (TWIns), Seminar Room 3

Organized by

Institu		nced Science and Engineering Nano-Energy Unit of TGU Program, TWIns, of Biosystem Dynamics, Global Consolidated Research Institute for Science Wisdom, Waseda University
		and
	Life & N	Aedical Sciences Institute (LIMES), The University of Bonn
Progra	m	
U		Chairperson: Prof. Shinji Takeoka (Waseda)
9:00	Opening Address	Prof. Etsuro Ito (Director of TWIns, Waseda)
9:05	Special Address	Prof. Micheal Hoch (Rector, Bonn)
	·	
		Chairperson: Prof. Haruko Takeyama (Waseda)
9:10	Invited Lecture "Essent	ial role of conserved mRNA-processing protein TRIM71 in the
	development of brain	and vasculature"
		Prof. Waldemar Kolanus (Director of LIMES, Bonn)
9:35	"Physiology and patho	ogy of brains revealed by single-molecule imaging and optogenetical
	manipulation"	Prof. Hiroko Bannai (Waseda)
9:50	•	l regulation of human chronic inflammation by dendritic cells"
		Prof. Andreas Schlitzer (Bonn)
10:15	"Development of thin-fi	Im type sensors to measure human locomotion"
	·	Prof. Shinji Takeoka (Waseda)
10:30	Invited Lecture "Novel	CRISPR-based technologies for studying stochastic processes in cells"
		Prof. Jonathan Schmid-Burgk (Bonn)
10:55	"Exploring life's origins	via experimental evolution of artificial RNA replication systems"
		Prof. Ryo Mizuuchi (Waseda)
11:10	Break	
		Chairperson: Prof. Waldemar Kolanus (Director of LIMES, Bonn)
11:20	"ATP release and Ca d	ynamics in astrocytes and Ca dynamics in astrocytes"
		Prof. Takafumi Inoue (Waseda)
11:35	"Liver talks to pancreas	s with hapatokine"
		Prof. Nobuhito Goda (Waseda)
11:50	"AI-dependent protein	generation for recombination of multiple transcription factors"
		Prof. Daisuke Kiga (Waseda)
12:05	"Advances in single-ce	Il technologies: Analyzing bacterial genomes and gene expressions "
		Prof. Masahito Hosokawa (Waseda)
12:20	Lunch Break	
		Chairperson: Prof. Nobuhito Goda (Waseda)
13:10	"Use of ultrasensitive	ELISA for early diagnosis"
		Prof. Etsuro Ito (Director of TWIns, Waseda)
13:25	"Constructing the Brair	: Spatiotemporal control of neocortical development"
		Prof. Carina Hanashima (Waseda)
13:40	"Two faces of CB2 rec	eptors - what makes the difference"
		Assoc. Prof. Chihiro Nozaki (Waseda)

13:55	"E3 ligase Praja1 mediates ubiquitination and degradation of microtubule-associated protein Tau" Assist. Prof. Wataru Onodera (Waseda)
14:10	Invited lecture "Astrocyte regulation of brain physiology and pathophysiology" Assoc. Prof. Jun Nagai (Riken)
14:25	Invited lecture "Covering genome studies from bacteria to humans with computational biology" <b>Prof. Kei Yura</b> (Ochanomizu University/Waseda)
14:40	Break
14:50	Chairperson: Prof. Andreas Schlitzer (Bonn) "Introduction to CESOAR" Assist. Prof. Hiroko Matsunaga (Waseda)
15:00	Oral Presentation on Host Lab Activity by Bonn Students*10 min. including Q&ALukas Rossnagel (Latz/Host: Bannai)Matilde Vasconcelos (Latz/Host: Takeoka)Marta Lovotti (Latz/Host: Takeoka)Hasenauer/Host: Takeoka)Lea Seep (Hasenauer/Host: Takeyama)Paul Maier (Schlitzer/Host: Takeyama)
	Chairperson: Prof. Jonathan Schmid-Burgk (Bonn)
	Alexander Hoch (Schmid-Burgk/Host: Asahi) Kilian Dahm (Ulas/ Host: Asahi) Hannah Rindsfüsser (Bauer/Host: Ohshima) Marc Vaisband (Hasenauer/Host: Kiga) Sophie Reimer (Schlitzer/Host: Inoue)
16:40	Break
	Chairperson: Prof. Toshio Ohshima (Waseda)
16:50	Invited lecture "Diversity of Tissue Engineering from Regenerative Therapy to Food Production" <b>Prof. Tatsuya Shimizu</b> (Tokyo Women's Medical University)
16:50 17:05	Prof. Tatsuya Shimizu (Tokyo Women's Medical University)
	Prof. Tatsuya Shimizu (Tokyo Women's Medical University)   Oral Presentation by Waseda Students *7 min. including Q&A   Kazuki Nakajima (D3, Goda), "Elucidation of the regulatory mechanism of adipogenesis by the NADH repair pathway"   Tomoyoshi Kaneko (D2, Tsuneda), "Identification of phages' receptor"   Masako Kifushi (D2, Takeyama/Hosokawa), "Functional evaluation of rhizosphere microbial consortium using single-cell genome"
	Prof. Tatsuya Shimizu (Tokyo Women's Medical University)   Oral Presentation by Waseda Students *7 min. including Q&A   Kazuki Nakajima (D3, Goda), "Elucidation of the regulatory mechanism of adipogenesis by the NADH repair pathway"   Tomoyoshi Kaneko (D2, Tsuneda), "Identification of phages' receptor"   Masako Kifushi (D2, Takeyama/Hosokawa), "Functional evaluation of rhizosphere microbial consortium using single-cell genome"   Wen-han Sung (D2, Takeoka), "Fabrication of lysine-based cationic lipid nanoparticle"   Yuta Doi (D2, Semba), "Establishment of the cancer metastasis models using ALK+ lung cancer cell
	Prof. Tatsuya Shimizu (Tokyo Women's Medical University) Oral Presentation by Waseda Students <b>*7 min. including Q&amp;A</b> Kazuki Nakajima (D3, Goda), "Elucidation of the regulatory mechanism of adipogenesis by the NADH repair pathway" Tomoyoshi Kaneko (D2, Tsuneda), "Identification of phages' receptor" Masako Kifushi (D2, Takeyama/Hosokawa), "Functional evaluation of rhizosphere microbial consortium using single-cell genome" Wen-han Sung (D2, Takeoka), "Fabrication of lysine-based cationic lipid nanoparticle"
	Prof. Tatsuya Shimizu (Tokyo Women's Medical University) Oral Presentation by Waseda Students *7 min. including Q&A Kazuki Nakajima (D3, Goda), "Elucidation of the regulatory mechanism of adipogenesis by the NADH repair pathway" Tomoyoshi Kaneko (D2, Tsuneda), "Identification of phages' receptor" Masako Kifushi (D2, Takeyama/Hosokawa), "Functional evaluation of rhizosphere microbial consortium using single-cell genome" Wen-han Sung (D2, Takeoka), "Fabrication of lysine-based cationic lipid nanoparticle" Yuta Doi (D2, Semba), "Establishment of the cancer metastasis models using ALK+ lung cancer cell lines"