

**Program of the Japanese-German Symposium in September 2018**

<b>Thursday, 6 September 2018</b>		
8.00	Opening	
	<i>Session 1 (Chair: T. Schäberle)</i>	
8.05	Hiroyuki Osada, RIKEN Tokyo	Timing of the mycotoxin, tenuazonic acid, production at the infection of plant pathogenic fungi
8.35	Christine Beemelmans, HKI Jena	Symbiosis-driven natural product discovery
8.50	Yoshimitsu Hamano, University of Fukui	Amide-bond forming enzymes in the biosynthesis of streptothricin group antibiotics
9.05	Roderich Süßmuth, TU Berlin	Ribosomal and Non-ribosomal Peptides from Bacteria and Fungi – Structures and Bioactivities
9.30	Hiroyasu Onaka, University of Tokyo	In vitro reconstitution of RiPPs biosynthesis coupled with cell free translational system
9.45	Frank Hahn, University of Bayreuth	Studies on enzymes from polyketide biosynthesis and their application in natural product synthesis
10.00	<i>Coffee</i>	
	<i>Session 2 (Chair: T. Kuzuyama)</i>	
10.25	Hiroaki Suga, University of Tokyo	In vitro synthetic biology of pseudo-natural peptides and products
10.55	Elke Dittmann, University of Potsdam	Concepts for genome-based natural product discovery in terrestrial symbiotic cyanobacteria
11.10	Fumitaka Kudo, Tokyo Institute of Technology	Biosynthesis of aminoglycoside antibiotics
11.25	Andreas Kirschning, University of Hannover	Probing the macrolactam forming amide synthases in ansamycin antibiotic biosynthesis
11.50	Kenji Watanabe, University of Shizuoka	Mechanistic analysis of biosynthetic enzyme
12.20	Florian Seebeck, University of Basel	Evolutionary and energetic landscapes of ergothioneine biosynthesis
12.35	<i>Lunch</i>	

	<i>Session 3 (Chair: C. Beemelmans)</i>	
14.00	Dan Hu, Jinan University of Guangzhou	Biosynthesis of steroidal antibiotic demethoxyviridin, a potent PI3K inhibitor
14.15	Russell Cox, University of Hannover	Oxidative Rearrangements during the Biosynthesis of Fungal Metabolites
14.45	Teigo Asai, University of Tokyo	Discovery of natural products based on re-construction and re-designing of fungal cryptic biosynthetic gene clusters in <i>Aspergillus oryzae</i>
15.00	Tobias Gulder, TU München	(Bio-)Synthesis of Polycyclic Microbial Natural Products
15.15	Makoto Nishiyama, University of Tokyo	Amino-group carrier protein, a new key machinery contributing to expansion of structural diversity of secondary metabolite
15.45	Paolina Garbeva, NIOO Wageningen	Volatile affairs in microbial interactions
16.00	Mami Yamazaki, University of Chiba	Molecular evolution of plant alkaloid biosynthesis
16.15	<i>Coffee</i>	
	<i>Session 4 (Chair: K. Watanabe)</i>	
16.40	Helge Bode, University of Frankfurt	Natural products from entomopathogenic bacteria: From chemical ecology to synthetic biology
17.10	Yohei Katsuyama, University of Tokyo	Mining undiscovered biosynthetic logic from actinobacteria
17.25	Max Crüsemann, University of Bonn	FR900359 - the ultimate Gq inhibitor designed by nature
17.40	Tomohisa Kuzuyama, University of Tokyo	Biosynthesis of Unusual Terpene Natural Products
18.00	Karl-Heinz van Pée, TU Dresden	Flavin-dependent halogenases: Nature's major tool for the formation of halogenated compounds
18.15	Ikuro Abe, University of Tokyo	Unusual enzyme reactions in natural product biosynthesis
19.00	<i>Bus Transfer to Walporzheim</i>	
19.30	<i>Dinner</i>	

<b>Friday, 7 September 2018</b>		
	<i>Session 5 (Chair: T. Gulder)</i>	
8.00	Jeroen Dickschat, University of Bonn	Tracing terrestrial terpenes with isotopes
8.25	Atsushi Minami, University of Hokkaido	Biosynthetic study of fungal natural products
8.40	Till Schäberle, University of Giessen	Alkaloid biosynthesis by marine bacteria
8.55	Kazuo Shinya, AIST Tokyo	Cloning and Heterologous Expression of Bacterial Secondary Metabolites Produced in Actinomycetes and Pseudomonas Hosts
9.25	Georg Pohnert, University of Jena	Chemical communication in the oceans – how signals from microalgae shape microbial communities
9.55	Hiroyuki Morita, University of Toyama	Combinatorial biosynthesis of an unnatural novel aloeson analog by exploiting type III polyketide synthase and olivetolic acid cyclase
10.10	<i>Coffee</i>	
	<i>Session 6 (Chair: Y. Katsuyama)</i>	
10.35	Kenji Arakawa, University of Hiroshima	Genome Mining, Biosynthesis, and Biological Activity of Azoxyalkene Compound
10.50	Stefan Schulz, TU Braunschweig	The Chemistry of Springtails
11.15	Tohru Dairi, University of Hokkaido	New enzymes for peptide biosynthesis in microorganisms
11.45	Jörn Piel, ETH Zürich	Mining microbes for metabolic novelty
12.10	Toshiyuki Wakimoto, University of Hokkaido	Unusual Processes of PKS and NRPS Assembly Lines in Marine Bacteria
12.25	Rolf Müller, HIPS Saarland	Myxobacteria: Biodiversity, Synthetic Biotechnology and Secondary Metabolomics for Natural Product Discovery
12.55	Closing remarks	
13.00	<i>End</i>	