Program

Sep 10 (Sun)	at Okazaki New Grand	l Hotel
		(http://www.newgrand.yad.jp/english.html)
15:00-18:00	Registration at Okazak	ti New Grand Hotel
Sep 11 (Mon)	at Okazaki Conference	e Center (http://www.orion.ac.jp/)
8:45-	Registration	at the Entrance hall, Okazaki Conference Center
9:00-9:40	Opening Session	MC: SUWA, Yuichi (National Institute of Advanced Industrial Science & Technology (AIST), Japan)
9:40-10:20	Keynote Lecture 1	
	"To be announced"	
	TIEDJE, James M. (M	ichigan State University, USA)
10:20-10:40	Coffee break	
Session 1 Conveners: MI	Bio-Geochemical (INAMISAWA, Kiwam	Cycling and Microbial Functions au & ARP, Daniel J.
1-a) Nitrification	and Novel N Transform	<u>ation</u>
10:40-11:20	in Nitrosomonas euro	udies of Energy, Carbon and Iron Metabolism paea" n State University, USA)
11:20-12:00		•
11:20-12:00	Lifestyle"	- New Insights into a Simple Catabolic
	U	niversity of Louisville, USA)
12:00-13:30	Lunch (Posters should	be displayed during the lunch time)
13:30-14:10	Bacterium from a Co	volution and Metabolism of an Anammox mmunity Genome" boud University Nijmegen, The Netherlands)
14:10-14:50	Fungi"	lenitrification, and Ammonia Fermentation by he University of Tokyo, Japan)
14:50-15:10	Coffee break	
1-b) Nitrogen, Ro	espiration and Interactio	<u>n</u>
15.10 15.50	"Sonsing and Dospon	ding to Nitrio Ovido''

15:10-15:50"Sensing and Responding to Nitric Oxide"SPIRO, Stephen (University of Texas at Dallas, USA)

15:50-16:30	"The Complexity of Oxygen-Controlled Regulons in <i>Bradyrhizobium japonicum</i> " HENNECKE, Hauke H. (Institute of Microbiology (ETH), Switzerland)
16:30-16:50	Coffee break
16:50-17:30	"Genomic Autoecology of Bradyrhizobia Associated with Plants and Soil Microbial Community" MINAMISAWA, Kiwamu (Tohoku University, Japan)
17:30-18:10	Discussion
18:10-19:10	Short Talks (5 minutes/ each Posters)
19:30-21:00	Mixer at the Okazaki Conference Center
September 12 (Tue))
9:00-10:20	Short Talks (5 minutes/ each Posters)
10:20-10:40	Coffee break
Session 3 Convener: KAT	Bacterial Cross Talk O, Junichi, KJELLEBERG, Staffan L. & NOMURA, Nobuhiko
10:40-11:20	"Biofilm Formation of Members of the Genus <i>Burkholderia</i> Is Controlled by a Quorum Sensing Mechanism" EBERL, Leo (University of Zurich, Switzerland)
11:20-12:00	"Quorum Sensing, Virulence and Antibiotic Production in <i>Erwinia</i> and <i>Serratia</i> " SALMOND, George P.C. (University of Cambridge, UK)
12:00-13:30	Lunch
13:30-14:10	"Bacterial Biofilm and Signaling Biology" KJELLEBERG, Staffan L. (The University of New South Wales, Australia)
14:10-14:50	"The Quorum Sensing Related Interplay between Plants and Bacteria" BAUER, Wolfgang D. (University of California, USA)
14:50-15:05	Coffee break
15:05-15:45	"Impact and Implications of Signal Interference in Microbe-Microbe Interactions" ZHANG, Lian-Hui (Institute of Molecular and Cell Biology, Singapore)

15:45-16:15	"Development of the Control Methods of Quorum Sensing in Gram Negative Bacteria Using Synthetic AHL Analogues and Cyclodextrin Immobilized Gel Sheets" IKEDA, Tsukasa (Utsunomiya University, Japan)
16:15-16:30	Coffee break
16:30-17:10	"Substrate Cross-Feeding in Autotrophic Nitrifying Biofilms" OKABE, Satoshi (Hokkaido University, Japan)
17:10-17:40	"Bacterial Chemotaxis towards Environmental Chemical Signals: Earliest Cross Talk Response?" KATO, Junichi (Hiroshima University, Japan)
17:40-18:10	Discussion
18:10-18:50	Short Talks (5 minutes/ each Posters)
18:50-21:00	Poster & Video Presentations (w/snacks and beverages)

September 13 (Wed)

1-c) Geochemical Aspects

9:00-9:40	 "Ultramafics-Hydrothermalism-Hydrogenesis-HyperSLiME (UltraH³) Linkage Hypothesis: A Key Insight into Place and Mode of Last Universal Common Ancestral (LUCA) Ecosystem and Modern Analogs in the Present Earth" TAKAI, Ken (Japan Agency for Marine-Earth Science & Technology (JAMSTEC), Japan) 	
9:40-10:20	"Microbial Ecology of the Miyake-jima Volcanic Deposit: Lithotrophic Microbes and the Development of Early Micro-Ecosystem" OHTA, Hiroyuki (Ibaraki University, Japan)	
10:20-11:00	"Molecular Methods to Study the Structure and Function of Methanotroph Populations in the Environment" MURRELL, J. Colin (University of Warwick, UK)	
11:00-18:00	Excursion	
18:00-21:00	Banquet at the Okazaki New Grand Hotel	

September 14 (Thu)

Session 2	Gene Hopping Among Microbes - Good or Bad and for Adaptation to Various Environments?
Conveners:	SUZUKI, Satoru & TIEDJE, James M.
9:00-9:40	"Ribosomal Protection Protein (RPP) Genes in River and Marine Sediment: Hopping among Various Environments and Evolution of the Gene" SUZUKI, Satoru (Ehime University, Japan)
9:40-10:20	"Effect of Veterinary Medicines Introduced into Soil via Manure on the Abundance, Diversity and Transferability of Sulfadiazine Resistance Genes" SMALLA, Kornelia (Federal Biological Research Centre for Agriculture and Forestry (BBA), Germany)
10:20-10:40	Coffee break
10:40-11:20	"Horizontal Gene Transfer in Microbial Communities: Genetic Plasticity For Coping with Environmental Change" BARKAY, Tamar (Rutgers University, USA)
11:20-12:00	"Global Movements of Viruses and Genetic Information" ROHWER, Forest (San Diego State University, USA)
12:00-13:30	Lunch
13:30-14:10	"Marine Plasmids: What Have We Learned from Diversity Studies and Sequencing" SOBECKY, Patricia A. (Georgia Institute of Technology, USA)
14:10-14:50	"Quantitative Determination of Gene Transfer at the Single Cell Level" NASU, Masao (Osaka University, Japan)
14:50-15:30	Discussion
15:30-15:50	Coffee break
15:50-16:30	Keynote Lecture 2 "To be announced" OHMORI, Masayuki (Saitama University, Japan)
16:30-17:10	"Possible Lateral Gene Transfers and Diversification in Cyanobacteria" MIYASHITA, Hideaki (Kyoto University, Japan)

17:10-17:50	"Evolution of Diversity and the Genetics of Phenotypic Innovation" RAINEY, Paul B. (University of Auckland, New Zealand)
17:50-18:30	"Genomic Analyses and the Origin of the Eukaryotes: The Ring of Life" RIVERA, Maria C. (University of California, Los Angeles, USA)
18:30-	Dinner

September 15 (Fri)

1-d) Post-Genomic Approaches for Microbial Ecology (Genomics, Proteomics and **Functional Array**) 9:00-9:40 "Metagenomics Analysis of Complex Samples" SCHUSTER, Stephan C. (PennState University, USA) 9:40-10:20 "Mass Spectrometry-Based Proteome Measurements Reveal Insight into a Natural Microbial Biofilm Community" HETTICH, Robert L. (Oak Ridge National Laboratory, USA) 10:20-10:40 Coffee break 10:40-11:20 "Development and Applications of Functional Gene Arrays to Understanding Microbial Diversity, Distribution and Dynamics in Groundwaters, Soils and Marine Sediments" ZHOU, Jizhong (Institute for Environmental Genomics, USA) Conclusion 11:20-12:00 12:00-13:30 Lunch 13:30-Adjourn