

44th PSJ Plant-Microbe Interactions Symposium

-Prospects of Research on Plant-Microbe Interactions

using Genome Sequence Data-

1. Date: August 7 (Thu)-9 (Sat), 2008
2. Site: Recreation Center Yamizo (Daigo, Kuji, Ibaraki 319-3552, Japan)
3. Registration fee: 4,000 yen (including abstract book)
4. Registration: On site (Foreigners who need accommodation are requested to contact the organizer by June 20.)

Program

August 7 (Thu)

- 12 : 00 - Registration
13 : 30 - 13 : 35 Opening

Introduction

- 13 : 35 - 14 : 15 Kazuya Akimitsu (Kagawa University)
Current topics in molecular plant-microbe interactions

I. Microorganism and plant genomics

1. Microorganism genomics

- 14 : 15 - 14 : 55 Marie Nishimura (National Institute of Agrobiological Sciences)
Comparative genomics of eukaryotic microorganisms: signal transduction pathways in *Magnaporthe grisea* vs. *Aspergillus nidulans* or *Saccharomyces cerevisiae*
- 14 : 55 - 15 : 35 Ayako Furutani (National Institute of Agrobiological Sciences)
Genome-wide analysis of *Xanthomonas oryzae* pv. *oryzae* infection mechanism in rice-Identification and characterization of type III effectors-
- 15 : 35 - 15 : 50 – Coffee break –
- 15 : 50 - 16 : 30 Haruhisa Suga (Life Science Research Center, Gifu University)
Advanced approach to *Fusarium graminearum* studies by using whole genome sequence data

Special Lecture

- 16 : 30 - 17 : 30 Hiroshi Kouchi (National Institute of Agrobiological Sciences)
Molecular genetics of symbiotic plant-microbe interactions using a model legume, *Lotus japonicus*
- 18 : 30 - 20 : 30 Banquet

August 8 (Fri)

2. Plant genomics

- 9 : 00 - 9 : 40 Shuu Hase (Tohoku University)
Elucidation of molecular mechanism underlying *Pythium oligandrum*-induced disease resistance based on genomic information for Micro-Tom tomato

- 9 : 40 - 10 : 20 Hiroshi Takatsuji (National Institute of Agrobiological Sciences)
Molecular characterization of signaling mechanisms involved in induced resistance in rice
- 10 : 20 - 10 : 35 – Coffee break –
- 10 : 35 - 11 : 15 Shuichi Fukuoka (National Institute of Agrobiological Sciences)
Detection and molecular cloning of a gene underlying QTL for field resistance to blast in rice

II. Particulars

1. Bacteria

- 11 : 15 - 11 : 55 Shin-ichi Miyata (National Institute of Fruit Tree Science, NARO)
Pathogenic diversification and distribution of *Candidatus Liberibacter asiaticus* according to the phylogenetic analysis based on the highly variable genomic region
- 11 : 55 - 13 : 00 Lunch
- 13 : 00 - 13 : 40 Katsunori Tamura (Institute of Molecular and Cellular Biosciences, The University of Tokyo)
Molecular mechanism of host-pathogen interaction in black rot of crucifers
- 13 : 40 – 14 : 20 Yuki Ichinose (Okayama University)
MAMPs in *Pseudomonas syringae* and plant responses
- 14 : 30 – Excursion
- 16 : 45 – 18 : 45 Poster Session
- 19 : 00 – 20 : 00 Dinner
- 20 : 00 – 22 : 00 Evening Discussion

August 9 (Sat)

2. Viruses

- 9 : 00 - 9 : 40 Tomofumi Mochizuki (National Agricultural Research Center, NARO)
Elicitation mechanisms of necrosis induced upon melon necrotic spot virus infection
- 9 : 40 -10 : 20 Yasuyuki Yamaji (Graduate School of Agricultural and Life Sciences, The University of Tokyo)
Host factors involved in tobacco mosaic virus infection
- 10 : 20 - 10 : 30 – Coffee break –

3. Fungi

- 10 : 30 - 11 : 10 Teruo Sone (Hokkaido University)
Molecular cloning of AVR-Pia in *Magnaporthe oryzae*
- 11 : 10 - 11 : 50 Daigo Takemoto (Graduate School of Bioagricultural Sciences, Nagoya University)
Functional analysis of the mutualistic symbiotic interaction between *Epichloe festucae* and perennial ryegrass
- 11 : 50 - 12 : 30 Hitoshi Nakayashiki (Graduate School of Agricultural Science, Kobe University)
RNAi as a tool for functional genomics in fungi
- 12 : 30 – 12 : 40 Closing

Further information:

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