

11th PSJ Plant Virus Disease Workshop

Date: March 30, 2013

Place: Room 102, Center for General Education, Gifu University

Registration Fee: ¥1,000, Student ¥500

Registration: on site

9:00-9:20 Registration
9:20-9:30 Opening address

Session 1: Induction of Plant Virus Symptoms

- 9:30-10:00 Synergism and local interference between two plant viruses
Minoru Takeshita (Kyushu Univ.)
- 10:00-10:30 Mechanisms underlying potexvirus-induced systemic necrosis in plants
Ken Komatsu, Masayoshi Hashimoto, Yasuyuki Yamaji, Shigetou Namba (Univ. Tokyo)
- 10:30-11:00 Induction mechanisms of mosaic symptom upon Cucumber mosaic virus infection
Tomofumi Mochizuki (Osaka Pref. Univ.)
- 11:00-11:30 Molecular mechanism of yellow symptoms induced by Cucumber mosaic virus Y satellite RNA
Hanako Shimura, Chikara Masuta (Hokkaido Univ.)
- 11:30-12:00 **Special Lecture 1** Insights into Alternanthera mosaic virus TGB3 functions: Interactions with *Nicotiana benthamiana* PSBO1 correlate with chloroplast vesiculation and veinal necrosis caused by TGB3 over expression
Lim Hyoun-Sub (Chungnam Natl. Univ., Korea)
- (Lunch)
- 13:00-13:20 **Special Lecture 2** Plant virus classification on the 9th ICTV Report
Satoshi T. Ohki (Osaka Pref. Univ.)

Session 2: New Approaches to Plant Virus Disease Control

- 13:20-13:50 Uncovering the plant viruses' way of life by mathematical modeling
Shuhei Miyashita (PRESTO, NIAS)
- 13:50-14:20 Development of virus-resistant plants by using artificial DNA-binding proteins
Takashi Sera (Okayama Univ.)
- (Break)
- 14:30-15:00 Lectin-mediated resistance as a novel defense mechanism to plant viruses
Yasuyuki Yamaji, Kensaku Maejima, Johji Ozeki, Ken Komatsu, Shigetou Namba (Univ. Tokyo)
- 15:00-15:30 Apple latent spherical virus vectors as plant virus vaccines for the control of plant virus diseases
Nobuyuki Yoshikawa*, Ayano Taki*, Takao Kato*, Akihiro Tamura*, Noriko Yamagishi*,
Chungun Li*, and Tomohide Natsuaki** (*Iwate Univ., ** Utsunomiya Univ.)
- 15:30-16:00 Functional insights into viral replication: Strategy for plant virus disease control
Toshihiro Omura, Takumi Shimizu, Tamaki Uehara-Ichiki, Takahide Sasaya and Taiyun Wei (NARC)
- 16:00-16:10 Closing address

Contact: Satoshi T. Ohki, Graduate School of Life and Environmental Sciences, Osaka Prefecture University, Sakai,
Osaka 599-8531, Japan. Facsimile/Phone +81-72-254-9410 E-mail: ohki@plant.osakafu-u.ac.jp