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Scientific Program

8th World Congress on

PLANT GENOMICS AND PLANT SCIENCE

August 10-11, 2018 Osaka, Japan



Hosting Organization: Conference Series LLC LTD

47 Churchfield Road, London, W3 6AY

Ph: +1-702-508-5200, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Email: plantgenomics@worldmeet.net

Day 1 August 10, 2018

08:00-08:30 Registrations

Yume

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08:30-09:00

Opening Ceremony

Keynote Forum

09:00-09:45 **Title: *Phalaenopsis aphrodite* (moth orchid): Functional genomics and biotechnology**
Rachel Swee-Suak Ko, Agricultural Biotechnology Research Center, Taiwan

09:45-10:30 **Title: Viral satellite RNA as a biological control agent against viral diseases**
Magdy Montasser, Kuwait University, Kuwait

Group Photo

Networking & Refreshment Break: 10:30-10:45 @ 2f Foyer

10:45-11:30 **Title: Genome sequencing in octoploid strawberry and its application to molecular breeding**
Sachiko Isobe, Kazusa DNA Research Institute, Japan

Sessions:

Plant Genome Science | Agricultural Science | Plant Proteomics | Plant Reproduction | Plant Science | Horticulture | Molecular Plant Breeding

Session Introduction

Session Chair: Magdy Montasser, Kuwait University, Kuwait

Session Co-Chair: Lerma S J Maldia, University of the Philippines Los Baños, Philippines

11:30-12:00 **Title: Specialized metabolic pathways: Cues controlling floral scent and color production**
Alexander Vainstein, Hebrew University of Jerusalem, Israel

12:00-12:30 **Title: Genetic diversity and structure of *Gmelina arborea* Roxb. and *Falcataria moluccana* (Miq.) Barneby & J.W. Grimes plantations in the Philippines based on microsatellites**
Lerma S J Maldia, University of the Philippines Los Baños, Philippines

Lunch Break: 12:30-13:30

13:30-14:00 **Title: When East meets West: The origins and spread of weedy rice in Southeast Asia**
Beng-Kah Song, Monash University Malaysia, Malaysia

14:00-14:30 **Title: Effect of selected factors on growth of *Fusarium oxysporum* f. sp. *conglutinans* and evaluation of cabbage cultivar resistance to *Fusarium* wilt**
Martin Koudela, Czech University of Life Sciences Prague, Czech Republic

14:30-15:00 **Title: Antiviral resistance genes from abaca (*Musa textilis* Nee) BC2 hybrid: Transcriptome responses that mediate innate immunity against abaca bunchy top virus**
Geraldine P Muncada, University of Eastern Philippines, Philippines

Networking & Refreshment Break: 15:00-15:20 @ 2f Foyer

Young Researchers Forum

15:20-15:50 **Title: Investigation of tissue-specific alternative splicing of RNA editing related family genes in *Arabidopsis thaliana***
Umme Qulsum, Japan Advanced Institute of Science and Technology, Japan

15:50-16:20 **Title: Mobile small RNA: Implication for common function during interaction between different host-parasitic plant complexes**
Subhankar Bera, Osaka Prefecture University, Japan

Panel Discussions

Day 2 August 11, 2018

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Keynote Forum

09:30-10:15 **Title: Effects of deficit irrigation on the growth, yield and quality of cotton overexpressing *ScALDH21***
Zhang Daoyuan, Xinjiang institute of Ecology and Geography, The Chinese Academy of Sciences, China

Special Session

10:15-11:00 **Title: Phototropins control chloroplast movement in *Phalaenopsis aphrodite***
Rachel Swee-Suak Ko, Agricultural Biotechnology Research Center, Taiwan

Networking & Refreshment Break: 11:00-11:20 @ 2f Foyer

Sessions:

Stress Signaling in Plants | Plant Nutritional Genomics | Plant Bioinformatics | Plant Genotyping | Crop Improvement | Plant Virology | Rice Genomics

Session Introduction

Session Chair: Rachel Swee-Suak Ko, Agricultural Biotechnology Research Center, Taiwan

Session Co-Chair: Zhang Daoyuan, Xinjiang Institute of Ecology and Geography, The Chinese Academy of Sciences, China

11:20-11:50 **Title: Application of genetic diversity and structure data in forest restoration: The case of native white oaks (*Quercus*) in Japan**

Lerma S J Maldia, University of the Philippines Los Baños, Philippines

11:50-12:20 **Title: Big data GPU/CPU kernalisation pipeline for API based quantitative genetic assessments in field-based drone research**

Karl B W Svatos, Murdoch University, Australia

Lunch Break: 12:20-13:30

Poster Presentations @ 13:30-15:00

PG- 01 **Title: Antagonistic effect of bacteria and fungi on *Fusarium* wilt pathogen**

Cenek Novotny, Institute of Microbiology of the CAS, Czech Republic

PG -02 **Title: Identification of Proline Content Alterative 13 (PCA13) as the *Arabidopsis thaliana* RING Zinc Finger 1 suppressor in plant environmental stress response**

Cheol Soo Kim, Chonnam National University, South Korea

PG -03 **Title: Establishment of the TRV delivery system using *Nicotiana benthamiana* Cas9 over-expressing plants**
Jong-Pil Hong, National Institute of Horticultural and Herbal Science, South Korea

PG -04 **Title: Expression analysis of Chinese cabbage over-expressed STEREBP subjected to various hormones and stresses**

Hye-Eun Lee, National Institute of Horticultural and Herbal Science, South Korea

PG -05 **Title: Comparative transcriptome analysis of resistant and susceptible *Pinus thunbergii* infected with pine wood nematode using dual RNA-seq**

Rimi Yamaguchi, Kyushu University, Japan

PG -06 **Title: *atSMR17* modulates glucose responses through cysteine- and AMP-dependent manner in *Arabidopsis***

Van Tinh Nguyen, Chonnam National University, South Korea

PG -07 **Title: The role of AtRZF1-Coupling Protein 1 (AtRCP1) and its genetic interacting *Arabidopsis thaliana* Ring Zinc Finger 1 (AtRZF1) during abiotic stress response in *Arabidopsis***

Ji-Hee Min, Chonnam National University, South Korea

PG -08 **Title: Functional identification of homeodomain leucine zipper 1 (AtHLZ1) as a regulator of abscisic acid signaling pathway in *Arabidopsis thaliana***

Ga Yun Jeong, Chonnam National University, South Korea

PG -09 **Title: *Lagenaria siceraria* Ring Zinc Finger 1 (LsRZF1)-antisense expression of transgenic watermelon rootstock improves drought stress tolerance in *Citrullus lanatus***

Ji Hyeon Min, Chonnam National University, South Korea

PG -10 **Title: Ubiquitination contributes to regulation of the Hypoxia response during early seedling in *Arabidopsis thaliana***

Jung In Kim, Chonnam National University, South Korea

PG -11 **Title: Development of a high-efficiency anti-cancer fusion vaccine protein production system using Chinese cabbage**

Do-Sun Kim and Eun Su Lee, National Institute of Horticultural and Herbal Science, South Korea

B2B Meetings & Panel Discussion

Awards and Closing Ceremony

Networking & Refreshment Break: 15:15-15:30 @ 2f Foyer