**12th International Symposium on Rice Functional Genomics: Confirmed Plenary Talks**

*Sunday (11/16) 5:45-6:45*

Open Plenary Lecture

Qifa Zhang (Huazhong Agricultural University, PRC), Rice genomics and biotechnology: feeding the billions

*Monday (11/17) 8:00-9:45*

Session 1: The impact of the rice genome on plant biology and agriculture – 1

1) Jan Leach (Colorado State University, USA), Rice genome-enabled insights into plant biology and agriculture

2) Naoko K. Nishizawa (University of Tokyo, Japan), Improving rice plants tolerant to low iron availability in calcareous soils for sustainable food production

*Monday (11/17) 10:15-12:30*

Session 2: Genome Biology

1) Bin Han (Natl. Center for Gene Research, PRC) - Genomic analyses of complex traits in rice

2) W. Richard McCombie (Cold Spring Harbor Laboratory, USA) – Advances in genome sequencing

3) Emmanual Guiderdoni (CIRAD, France) - Manipulation of somatic and meiotic recombinations in rice

4) Rod A. Wing (University of Arizona, USA) – The genome sequence of African rice (*Oryza glaberrima*) and evidence for independent domestication

*Tuesday (11/18) 8:00 – 9:45*

Session 9: Impact of the rice genome on plant biology and agriculture 2

1) Gynheung An (Kyung Hee University, South Korea) - Epigenetic regulations of biomass and flowering time in rice

2) Pam Ronald (University of California - Davis, USA) - Genetic Analysis of the Rice Xa21-mediated Immune Response

3) N. Ruaraidh Sackville-Hamilton (International Rice Research Institute, Philippines) - Genebanks and the 9 billion people question

*Tuesday (11/18) 10:15-12:30*

Session 10: Functional Genomics

1) Shiping Wang (Huazhong Agricultural University, PRC) - Transposon-derived small RNA-directed DNA methylation results in opposite functions of allelic genes in rice response to bacterial infection

2) Jian Feng Ma (Okayama University, Japan) - Molecular mechanisms of mineral element distribution in rice

3) Xiangdong Fu, (Institute of Genetics & Developmental Biology, PRC) - Beyond the green revolution: new approaches for improving grain yield in rice

4) Tuan-hua David Ho (Academia Sinica, Taiwan) - Gene sharing: Flowering control locus A functions as an enhancer for ABA signaling in seed germination but does not regulate flowering in rice.

*Wednesday (11/19) 8:00-9:45*

Session 11: Using Rice Genomics to Help Solve the 9-billion People Question

1) Gurdev Khush (University of California - Davis, USA) - How to solve 9-billion people question

2) Dabing Zhang (Shanghai Jiao Tong University, PRC) - Male sterility and hybrid rice production

3) Yue-ie Hsing (Academia Sinica, Taiwan) – The utilization of rice genome sequences and tagged mutant resources to improve rice production

*Wednesday (11/19) 10:15-12:30*

Session 12: Evolutionary Biology

1) Olivier Panaud (University of Perpignan, France) - Rice as a model species to study the impact of Transposable Elements on plant genome structure and evolution

2) Manyuan Long (University of Chicago, USA) - Frequent origination of new genes in *Oryza* and underlying mechanistic processes

3) Rachel Meyer (New York University, USA) - Identification of new candidate African rice salt stress response genes through whole-genome resequencing

4) Cameron Johnson (University of California - Davis, USA) - Characterization of the long non-coding RNA transcriptome of rice

*Wednesday (11/19) 4:15-6:25*

Session 16: Stress Biology

1) Harkamal Walia (University of Nebraska, USA) - Phenomics and genetic analysis for elucidating rice salinity stress responses

2) Anna Locke (University of California - Riverside, USA) - SUB1A alters transcription and metabolism during the submergence recovery period

3) Ralph Dean (North Carolina State University, USA) - Identification of novel effectors from rice blast

4) Guoliang Wang (Ohio State University, USA) - Dissection of the genetic architecture of rice resistance to the blast fungus *Magnaporthe oryzae*