

## **ORAL PRESENTATIONS OVERVIEW**

**Saturday, April 25, 2009, 9 AM-10:15 AM**

***Plant Development session (Chair: Dr. Hanjo Hellmann, Washington State University)***

**9:15 AM Dongfang Wang, U of Arizona**

PARTIAL-LOSS-OF FUNCTION PHENOTYPE FOR A POLYCOMB-GROUP GENE GENERATED THROUGH AN ARTIFICIAL MICRORNA STRATEGY

**9:30 AM Jasmine King, U of California, San Diego**

DEVELOPMENT OF A TRANSIENT ASSAY TO MONITOR CIRCADIAN RHYTHMS IN PLANTS

**9:45 AM Amanda Durbak, U of Arizona**

THE RECEPTOR KINASE CLV1 REGULATES FRUIT ORGAN NUMBER VIA STEM CELL REPRESSION IN ARABIDOPSIS

**10:00 AM Tatsuya Tsukamoto, U of Arizona**

REF1/LORELEI GENE FUNCTIONS IN THE FEMALE GAMETOPHYTE AND REGULATES POLLEN TUBE RECEPTION AND REPULSION

**10:15 AM Tie Liu, Stanford University**

ORTHOLOGUES OF ARABIDOPSIS THALIANA STOMATAL BHLH GENES AND REGULATION OF STOMATAL DEVELOPMENT IN GRASSES

**10:30 AM - 11:00AM COFFEE BREAK**

**Saturday, April 25, 2009, 10:45 AM-11:30 AM**

*Physiological processes session (Chair: Dr. Judy Brusslan, California State University )*

**11:00 AM Hanjo Hellmann, Washington State University**

THE DDB1A INTERACTING PROTEINS CSA AND DDB2 ARE CRITICAL FACTORS FOR UV-B TOLERANCE IN ARABIDOPSIS THALIANA

**11:15 AM Lisa Patrick, U of Arizona**

EMPIRICAL EVALUATION OF EXTERNAL AND INTERNAL BRANCHING ARCHITECTURE PATTERNS IN PINUS EDULIS

**11:30 AM John Belletto, California State University**

IDENTIFICATION OF PEPTIDE SUBSTRATES FOR ACYL-AMINO-ACYL PEPTIDASES IN ARABIDOPSIS.

**12 NOON - 2:00 PM LUNCH BREAK**

**Saturday, 25 April 2009, 2:00 PM-3:30 PM**

*Towards Genetic Improvement of plants Session (Chair: Dr. Zhongguo Xiong, U of Arizona)*

**2:00 PM Tamara Miller, U of California, Berkeley**

IMPROVING AGROBACTERIUM TUMEFACIENS-MEDIATED GENE DELIVERY IN SORGHUM BICOLOR

**2:15 PM Jun Won Kang, University of Washington**

GENETIC ANALYSIS OF TRICHLOROETHYLENE (TCE)  
METABOLISM IN HYBRID POPLAR AND TRANSGENIC POPLAR

**2:30 PM Hyun Jo Koo, U of Arizona**

EVOLUTION AND BIOSYNTHESIS OF MEDICINALLY IMPORTANT  
TERPENOIDS SUCH AS CURLONE AND THE TURMERONES IN  
TURMERIC AND GINGER

*Genomics session (Chair: Dr. Ramin Yadegari, U of Arizona)*

**2:45 PM Elizabeth Waters, San Diego State University**

COMPARATIVE GENOMIC ANALYSIS OF CLP/HSP100 PROTEINS

**3:00 PM Andrea Zuccolo, U of Arizona**

ASSESSMENT OF THE EXTENT OF SUBSTITUTION RATE  
VARIATION OF LONG TERMINAL REPEAT SEQUENCES IN ORYZA  
SATIVA AND ORYZA GLABERRIMA

**3:30 PM – 4:00 PM COFFEE BREAK**

**4:00 PM – 6:00 PM POSTER SESSION**

**6:00 PM – 7:00 PM DINNER**

**7:00 PM – 8:00 PM KEYNOTE ADDRESS  
DR. STEPHEN GOFF  
Project Director, iPlant Collaborative,  
University of Arizona**

**Sunday, 26 April 2009, 9 AM-10:30 AM**

*Plant Environment Interactions session (Chair: Dr. Elizabeth Waters, San Diego State University)*

**9:00 AM Salme Timmusk, Uppsala Biocenter, Sweden**

DETECTION AND QUANTIFICATION OF PLANT DROUGHT TOLERANCE ENHANCING BACTERIUM PAENIBACILLUS POLYMYXA IN THE RHIZOSPHERE OF WILD BARLEY (HORDEUM SPONTANEUM) WITH REAL-TIME PCR

**9:15 AM Helton Camara Sao Paulo University, Brazil**

SPODOPTERA FRUGIPERDA HERBIVORY AND MECHANICAL INJURY ON CEREAL GRASSES A. VOLATILE ORGANIC COMPOUND INDUCTION IS UNCOUPLED WITH INJURED LEAF PHOTOSYNTHETIC RESPONSES- DAY 1

**9:30 AM Juliana Medeiros, University of New Mexico**

DROUGHT INCREASES FREEZING TOLERANCE OF LEAVES AND XYLEM IN L. TRIDENTATE

**9:45 AM Johnny Maruthavanan, New Mexico State University**

PHYSIOLOGICAL AND YIELD RESPONSES OF FIELD-GROWN ALFALFA (MEDICAGO SATIVA L.) TO WATER DEFICIT

**10:00 AM Fushi Wen, U of Arizona**

FUNCTIONS OF EXTRACELLULAR PROTEINS AND EXDNA IN ROOT TIP RESISTANCE TO FUNGAL INFECTION

**10:15 AM Minsoo Kim, U of Arizona**

A DOMINANT HSP101 MUTATION IS SUPPRESSED BY MUTATIONS IN AN MTERF-RELATED PROTEIN

**CONCLUSION OF MEETING**

