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385th OMICS International Conference

Scientific Program

Global Summit on

Plant Science

September 21-23, 2015 San Antonio, USA



OMICS International Conferences

2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA

Phone: +1-888-843-8169, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Toll free: +1-800-216-6499, Email: **plantbiology@omicsgroup.com**

Scientific Program

Day 1 September 21, 2015

09:00-09:30 Registrations

Texas-C

09:30-10:00 Opening Ceremony

Keynote Forum	
10:00-10:05	**Introduction**
10:05-10:35	**Grace Chen** U.S. Department of Agriculture, USA
Group Photo	
Networking & Refreshment Break 10:35-10:50 @ Foyer	
10:50-11:50	**Nurul Islam-Faridi** USDA Forest Service, USA
Track 1: Plant Physiology and Biochemistry Track 2: Plant Tissue Culture and Plant Biotechnology Track 3: Agricultural Science Track 12: Horticulture and Landscaping	
Session Chair: Grace Chen, U.S. Department of Agriculture, USA **Session Co-chair: Niranjan Baisakh**, Louisiana State University Agricultural Center, USA	
Session Introduction	
11:50-12:15	**Capturing natural variations in an extremophile for translational genomics of stress tolerance in crops**
	Niranjan Baisakh, Louisiana State University Agricultural Center, USA
12:15-12:40	**Phospholipases are involved in hypoxia-induced intracellular calcium and ros signaling in *Arabidopsis thaliana***
	Sylvia Lindberg, Stockholm University, Sweden
12:40-13:05	**Transgenic tobacco plants expressing *ACR2* gene of *Arabidopsis thaliana* exhibit reduced accumulation of arsenics and increased tolerance to arsenate**
	Abul Mandal, University of Skövde, Sweden
13:05-13:30	**Abscisic acid inducible mitogen-activated protein kinase kinase kinases in *Arabidopsis*; their roles in abscisic acid signaling and utilization for plant biotechnology**
	Daisuke Matsuoka, Kobe University, Japan
Lunch Break 13:30-14:15 @ Texas-C	
14:15-14:40	***In-vitro* production, analysis and characterization of Betalains from *Talinum triangular* (jacq) wild - A valuable medicinal herb**
	Swarna J, Loyola College, India
14:40-15:05	**Structural characterization and a cyto-molecular map of chestnut (*castanea* spp)**
	Nurul Islam-Faridi, USDA Forest Service, USA
15:05-15:30	**Influence of nitrogen supply on photosynthesis, chlorophyll content and yield of improved rice varieties under upland conditions in western Kenya**
	Phoebe Sikuku, Maseno University, Kenya

15:30-15:55	**Some unexpected features of the populus genome**
	Gerald A Tuskan, Oak Ridge National Laboratory, USA
	Networking & Refreshment Break 15:55-16:10 @ Foyer
16:10-16:35	**Structural analyses of flavin-binding photoreceptors by fourier transform infrared (ftir) spectroscopy**
	Tatsuya Iwata, Nagoya Institute of Technology, Japan
16:35-17:00	**Somatic embryogenesis in Pelargonium sidoides dc: An important African traditional medicinal plant**
	Vijay Kumar, University of KwaZulu-Natal Pietermaritzburg, South Africa
17:00-17:25	**Optimization of growth of Spirulina platensis in photo- bioreactor for production of bioactive constants; 2-lipophilic constituents**
	Gamal El-Baroty, Cairo University, Egypt
	Panel Discussion

Day 2	**September 22, 2015**
Texas-C	
Keynote Forum	
10:00-10:05	**Introduction**
10:05-10:35	**Russel J Reiter** University of Texas Health Science Center, USA
Track 4: Plant Pathology and Weed Science Track 5: Medicinal and Aromatic Plant Science Track 6: Plant Morphology and Metabolism Track 11: Plant Genetics and Epigenetics	
Session Chair: Ajith Anand, DuPont Pioneer, USA **Session Co-chair: Hsin-Sheng Tsay,** University of Technology, Taiwan	
	Session Introduction
10:35-11:00	**The power and promise of citrus tristeza virus based vector in controlling citrus huanglongbing**
	Nabil Killiny, University of Florida, USA
	Networking & Refreshment Break 11:00-11:15 @ Foyer
11:15-11:40	**Prospects in medicinal plants: Strategies for the future**
	Naseem Ahmad, Aligarh Muslim University, India
11:40-12:05	**Herb-based functional foods: From laboratories to the market**
	Hsin-Sheng Tsay, University of Technology, Taiwan
12:05-12:30	**Gene targeting approaches in corn**
	Ajith Anand, DuPont Pioneer, USA
12:30-12:55	**How gamete micromanipulation and cell engineering can contribute to establishing a time scale for performing transcriptomics studies in wheat (*Triticum aestivum* L.) during fertilisation and proembryo formation**
	Zsolt Pónya, Kaposvár University, Hungary
	Lunch Break 12:55-13:40 @ Texas-C
Young Research Forum	
13:40-14:00	**Prospective of melatonin in crop production**
	Dun-Xian Tan, University of Texas Health Science Center, USA
14:00-14:20	**Plant anatomy related to pathogen infection**
	Joao Paulo Rodrigues Marques, University of Sao Paulo, Brazil

14:20-14:40	**Short term effect of alternative fertilizers on growth and physiologic performances of London plane and sycamore**
	Manuela Baietto, University of Milan, Italy
14:40-15:00	**Emp16 is required for mitochondrial nad2 intron 4 cis-splicing and seed development in maize**
	Zhihui Xiu, The Chinese University of Hong Kong, Hong Kong
	Networking & Refreshment Break 15:00-15:15 @ Foyer
	Panel Discussion

Day 3	**September 23, 2015**
Texas-C	
Keynote Forum	
09:30-09:35	**Introduction**
09:35-10:05	**Stephen F Hanson** New Mexico Sate University, USA
Track 7: Plant Anatomy and Embryology Track 8: Plant Breeding and Molecular Breeding Track 9: Plant Ecology and Diversity Track 13: Plant Biodiversity and conservation	
Session Chair: Maria Fátima das Graças Fernandes da Silvaa, Universidade Federal de SÃ£o Carlos, Brazil **Session Co-chair: Stephen F Hanson,** New Mexico Sate University, USA	
	Session Introduction
10:05-10:30	**Development of green formulation for dual purpose of disease management and plant development**
	Pushpa Agrawal, R. V. College of Engineering, India
	Networking & Refreshment Break 10:30-10:45 @ Foyer
10:45-11:10	**Oil palm genome sequence: Applications for crop improvement**
	Rajinder Singh, Malaysian Palm Oil Board, Malaysia
11:10-11:35	**Deep sequencing for identification of functional domains of plant viruses**
	Stephen F Hanson, New Mexico Sate University, USA
11:35-12:00	**Is the position of nucleotides in conserved miRNA associated with specific functional role in growth and development: case study of miR miR160, miR164, miR167, miR390 and miR393?**
	Lata I Shukla, Pondicherry University, India
12:00-12:25	**Uptake of cadmium and aluminium and their effects on plant growth and biochemical composition of micro propagated Hypoxis hemerocallidea**
	Ambrose Okem, University of KwaZulu-Natal, South Africa
12:25-12:50	**Analysis of phytoanticipins in citrus sinensis grafted on c. limonia after xylella fastidiosa infection by hplc-uv and maldi imaging mass spectrometry**
	Maria Fátima das Graças Fernandes da Silvaa, Universidade Federal de SÃ£o Carlos, Brazil
12:50-13:15	**Expression of hkt1 from Arabidopsis thaliana or hkt1;2 from Thellugiella halophila or T. botschantzevii complements the A. thaliana hkt1 mutant when they are expressed under the endogenous A. Thaliana hkt1 promoter but not when expressed under the T. halophila/botschantzevii hkt1;2 promoters**
	Ismat Nawaz, Vrije University, Pakistan
	Panel Discussion
	Award Ceremony
	Lunch Break 13:30 @ Texas-A