



International Conference on

# Plant Science Research

Plant-2019

March 04-06, 2019 | Baltimore, MD 21090, USA

## Plant-2019 Tentative Scientific Program

### Day - 1 March 04, 2019

**08:30 - 09:00 Registration, Badge-pick up and Welcome Speech**

#### Keynote Session

**09:00 - 09:30**

**John E. Carlson**, Pennsylvania State University, PA, USA

**Title:** Genomic Resources for Environmental Resilience and Species Restoration in Hardwood Forest Trees

**Keynote Slots Available**

#### Scientific Sessions:

**Plant Molecular Biology & Biochemistry**

**Plant Genetics & Genomics**

**Soil Science**

**Chairs:** **Kelly T. Morgan**, University of Florida, USA; **Jianhua Zhu**, University of Maryland, MD, USA

**09:30 - 10:00**

**Bruce Schaffer**, University of Florida, FL, USA

**Title:** *To be Announced*

**10:00 - 10:20**

**Nicholi Vorsa**, Rutgers University, USA

**Title:** Divergent evolution for fruit chemistry in Vaccinium: blueberry versus cranberry

**10:20 - 10:40**

**Bin Yu**, University of Nebraska-Lincoln, USA

**Title:** MAC3A and MAC3B, two core subunits of the MOS4-associated complex, positively impact miRNA biogenesis

**10:40 - 11:00 Coffee Break**

**11:00 - 11:20**

**Sorina C. Popescu**, Mississippi State University, MS, USA

**Title:** Thiol redoxomes in plant immunity – pathways, molecular players, and structural determinants

**11:20 - 11:40**

**Richard William Whalley**, Rothamsted Research, UK

**Title:** TBA

**11:40 - 12:00**

**Zheng-Yi Xu**, Northeast Normal University, China

**Title:** Trithorax-group proteins ARABIDOPSIS TRITHORAX4 (ATX4) and ATX5 function in abscisic acid and dehydration stress responses

**12:00 - 12:20**

**Gladys Alexandre**, The University of Tennessee, TN, USA

<b>Title:</b> Real time bacterial chemotaxis in the rhizosphere
<b>12:20 - 12:40</b>
<b>Jianhua Zhu</b> , University of Maryland, MD, USA
<b>Title:</b> Alternative splicing is crucial for plant abiotic stress responses
<b>12:40 - 13:00</b>
<b>Maury Stéphane</b> , University of Orleans, France
<b>Title:</b> Epigenetic variation and plasticity in forest TREES (EPITREE) in a context of climate change
<b>13:00 - 13:20</b>
<b>Matteo Busconi</b> , Catholic University of the Sacred Heart, Italy
<b>Title:</b> Epigenetic variability among saffron crocus ( <i>Crocus sativus</i> L.) accessions characterized by different phenotypes
<b>13:20 - 14:00 Lunch Break</b>
<b>14:00 - 15:00</b>
<b>Workshop: Plant Polyploidy Genomics</b>
<b>Xiyin Wang</b> , North China University of Science and Technology, China
<b>15:00 - 15:20</b>
<b>Jaime A. Osorio-Guarín</b> , Agrosavia, Colombia
<b>Title:</b> Unique diversity of Colombian cacao ( <i>Theobroma cacao</i> L.) genotypes
<b>15:20 - 15:40</b>
<b>Francy Liliana García-Arias</b> , Agrosavia, Colombia
<b>Title:</b> Association study in cape gooseberry ( <i>Physalis peruviana</i> L.), reveals candidate genes for yield and fruit quality
<b>15:40 - 16:00 Coffee Break</b>
<b>15:40 - 16:00</b>
<b>Jaime A. Osorio-Guarín</b> , Agrosavia, Colombia
<b>Title:</b> Unique diversity of Colombian cacao ( <i>Theobroma cacao</i> L.) genotypes
<b>16:00 - 16:20</b>
<b>Aurélie Gfeller</b> , Agroscope, Switzerland
<b>Title:</b> Explanations for <i>Amaranthus retroflexus</i> growth suppression by cover crops
<b>16:20 - 16:40</b>
<b>Ho Le Thi</b> , Cuu Long Delta Rice Research Institute, Vietnam
<b>Title:</b> Utilizing N-trans-Cinnamoyltyramine for Weed Control in Rice Cultivation in Vietnam ☒
<b>16:40 - 17:00</b>
<b>Shakra Jamil</b> , Agricultural Biotechnology Research Institute, Pakistan
<b>Title:</b> Genome- wide Analysis of WRKY transcription factor in <i>Sorghum bicolor</i>
<b>Day - 2, March 05, 2019</b>
<b>Scientific Sessions:</b>
<b>Plant Enzymes &amp; Biosynthesis</b>
<b>Plant Pathology</b>
<b>Plant Stress Physiology</b>
<b>Chairs:</b> <b>Nicholi Vorsa</b> , Rutgers University, USA; <b>Gladys Alexandre</b> , The University of Tennessee, TN, USA
<b>09:00 - 09:20</b>
<b>Kelly T. Morgan</b> , University of Florida, USA
<b>Title:</b> TBA
<b>09:20 - 09:40</b>

<b>Jei-Fu Shaw</b> , I-Shou University, Taiwan
<b>Title:</b> Structure and functional diversity of plant GDSL lipase/esterase family
<b>09:40 - 10:00</b>
<b>Feibing Wang</b> , Huaiyin Institute of Technology, China
<b>Title:</b> Enhancement of salt and drought tolerance using applied attapulgite clay in sweetpotato
<b>10:20 - 10:40 Coffee Break</b>
<b>10:40 - 11:00</b>
<b>Zulfiqar Ali</b> , University of Agriculture, Pakistan
<b>Title:</b> Root endophyte Piriformospora indica differentially improves genotypic performance under salinity stress and water, phosphorous and zinc deficit conditions in rice
<b>11:00 - 11:20</b>
<b>Rabia Naz</b> , COMSATS University, Pakistan
<b>Title:</b> Botanical-chemical formulations enhanced yield and protection against Bipolaris sorokiniana in wheat by inducing the expression of pathogenesis-related proteins
<b>11:20 - 11:40</b>
<b>Nina Gabarayeva</b> , Komarov Botanical Institute of Russian Academy of sciences, Russian Federation
<b>Title:</b> Self-assembly in action
<b>11:40 - 12:00</b>
<b>Guoyin Kai</b> , Shanghai Normal University, China
<b>Title:</b> Transcription Factor SmWRKY1 Positively Promotes the Biosynthesis of Tanshinones in Salvia miltiorrhiza
<b>12:00 - 12:20</b>
<b>Kirstin Wurms</b> , Utrecht University, The Netherlands
<b>Title:</b> Effects of bio-bactericide treatment of kiwifruit infected with Pseudomonas syringae pv. actinidiae (Psa) on host gene expression, lesion severity and Psa populations
<b>12:20 - 12:40</b>
<b>Gongyou Chen</b> , Shanghai Jiao Tong University, China
<b>Title:</b> Xanthomonas oryzae pv. oryzae TALE proteins recruit OsTFIIAγ1 to compensate for the absence of OsTFIIAγ5 in bacterial blight in rice
<b>12:40 - 13:00</b>
<b>Honghong Wu</b> , University of California, USA
<b>Title:</b> Plant salt tolerance and Na <sup>+</sup> sensing and transport
<b>13:00 - 13:20</b>
<b>Janetta Niemann</b> , University of Life Sciences in Poznań, Poland
<b>Title:</b> TBA
<b>13:00 - 14:00 Lunch Break</b>
<b>Scientific Sessions:</b>
<b>Plant Breeding &amp; Nutrition</b>
<b>Plant Tissue Culture &amp; Biotechnology</b>
<b>Forest Science</b>
<b>14:00 - 14:20</b>
<b>Victor M Nunez</b> , Agrosavia, Colombia
<b>Title:</b> Advances in crop improvement of goldenberry (Physalis peruviana L.) in Colombia
<b>14:20 - 14:40</b>
<b>Andrea Visioni</b> , International Center for Agricultural Research in the Dry Areas, Morocco
<b>Title:</b> GWAM of Seedling and Adult Plant Resistance to Barley Stripe Rust (Puccinia striiformis f. sp. hordei) in India

<b>14:40 - 15:00</b>
<b>Bednarek Piotr Tomasz</b> , The Plant Breeding and Acclimatization Institute, Poland
<b>Title:</b> Taguchi based optimization of the in vitro plant regeneration via anther cultures in crops
<b>15:00 - 15:20</b>
<b>Sheikh Muhammad Sarwar</b> , Dongguk University, Pakistan
<b>Title:</b> Comparative effects of compost and NPK fertilizer on vegetative growth, protein, and carbohydrate of Moringa oleifera lam hybrid PKM-1
<b>15:20 - 15:40</b>
<b>Edgar Cambaza</b> , Hokkaido University, Japan
<b>Title:</b> Aflatoxins in Mozambique: Etiology, Epidemiology and Control
<b>15:40 - 16:00</b>
<b>Edson Luiz Furtado</b> , Sao Paulo University, Brazil
<b>Title:</b> Pre-infection stages of Austropuccinia psidii in the epidermis of different Eucalyptus clones
<b>16:00 - 17:00 Poster Session</b>
<b>Day - 03, March 06, 2019</b>
<b>Scientific Sessions:</b>
<b>Trends in Plant Science</b>
<b>Weed Management</b>
<b>Plant Taxonomy</b>
<b>09:00 - 09:20</b>
<b>Tadakatsu Yoneyama</b> , NARO, Japan
<b>Title:</b> TBA
<b>09:20 - 09:40</b>
<b>Stanisław Karpiński</b> , Warsaw University of Life Sciences, Poland
<b>Title:</b> Biotechnological Potential of the Cell Death Conditional Regulators for Improvement of Plants Growth and Seeds Yield
<b>09:40 - 10:00</b>
<b>Matthew Robin Daniel</b> , Global Urban Forest Pty Ltd, Australia
<b>Title:</b> A science connected global Arboriculture community
<b>10:00 - 10:20</b>
<b>Vilma Kisnieriene</b> , Vilnius University, Lithuania
<b>Title:</b> The importance of electrophysiology in the plant electrical signaling investigations
<b>10:20 - 10:40 Coffee Break</b>
<b>10:20 - 10:40</b>
<b>Harry S. Paris</b> , Newe Ya'ar Research Center, Israel
<b>Title:</b> Nativity and Ancestry of the Desert Watermelon, Citrullus lanatus
<b>10:40 - 11:00</b>
<b>Sandra Arce</b> , University of Puerto Rico-Mayagüez, USA
<b>Title:</b> TBA
<b>11:00 - 11:20</b>
<b>Dilip Das</b> , T. M. Bhagalpur University, India
<b>Title:</b> TBA
<b>11:20 - 11:40</b>
<b>Joanne MacDonald</b> , Natural Resources Canada, Canada
<b>Title:</b> TBA

<b>11:40 - 12:00</b>
<b>Piotr Szulc</b> , Poznań University of Life Sciences, Poland
<b>Title: TBA</b>
<b>SPEAKER SLOTS &amp; POSTER SLOTS AVAILABLE</b>
<b>THIS IS TENTATIVE PROGRAM SUBJECT TO CHANGE</b>
<b>POSTERS</b>
<b>Marzena Szeląg</b> , The Plant Breeding and Acclimatization Institute, Poland
<b>Title:</b> Identifying QTLs conferring pollen sterility in triticale with timopheevii sterilizing cytoplasm
<b>Priyansha Singh</b> , Delhi University, India
<b>Title:</b> Genetic mapping of the serrated leaf trait in Indian mustard (Brassica juncea)
<b>Zhiying Deng</b> , Shandong Agricultural University, China
<b>Title:</b> Genetic dissection of interactions among flour quality parameters using conditional QTL mapping
<b>Niedziela Agnieszka</b> , Plant Breeding and Acclimatization Institute, Poland
<b>Title:</b> Genetic and epigenetic aspects of aluminum tolerance in triticale
<b>Mariana Cruz</b> , National Polytechnical Institute, Mexico
<b>Title:</b> Volatile compounds from papaya (Carica papaya) fruit oviposited and not oviposited by Toxotrypana curvicauda
<b>Mariana Cruz</b> , National Polytechnical Institute, Mexico
<b>Title:</b> Incidence of female Spodoptera frugiperda (Noctuidae: Lepidoptera) on capturing by traps baited with sexual pheromone from conspecifics
<b>Mengesteab Hailu Ubuy</b> , Norwegian University of Life Sciences, Norway
<b>Title:</b> Variation in wood basic density within and between tree species and site conditions of exclosures in Tigray, northern Ethiopia
<b>Ganchudur Tsetsegmaa</b>
<b>Title:</b> Effects of Oxidized Brown Coal Humic Acid Fertilizer on the Relative Height Growth Rate of Three Tree Species
<b>Bikoro Bi athomo Arsène</b> , CNRS, France
<b>Title:</b> Valorization of mahogany wood industrial by products
<b>Fernanda Furlan Queiroz</b> , University of Brasilia, Brazil
<b>Title:</b> The use of bioreactors on in vitro multiplication of Brazilian Giant Bamboo: Guadua magna Londoño & Filg., Family Poaceae
<b>Lassina Sanou</b> , INERA, Burkina Faso
<b>Title:</b> Experimental Native Tree Seedling Establishment for the Restoration of degraded land: effect of irrigation and soil amendment
<b>Borisova A.A</b>
<b>Title:</b> The role of seed seeds of pome fruits in organic production of fruits
<b>Mayank Gururani</b> , United Arab Emirates University, UAE
<b>SPEAKER SLOTS &amp; POSTER SLOTS AVAILABLE</b>
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