

**GPMB 2017**

Global Conference on  
**Plant Science and Molecular Biology**

*Accentuate Innovations and Emerging Novel Research in  
Plant Sciences*

**Tentative Program**

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September 11-13, 2017 | Valencia Spain

## Day 1 September 11, 2016 (Monday)

### Keynote Presentations

**Title: The Social Imperative of Soil Microbiology: Understanding Soil/Plant Interactions for a Better Planet**

Cornelia Butler Flora, Kansas State University, USA

**Title: The cost of avoiding freezing in stems: tradeoff between water transport efficiency and supercooling capacity in woody plants**

Guillermo Goldstein, University of Miami, USA

**Title: How molecular and ecological science can help to ease up the unnecessary harsh GMO dispute.**

Ammann Klaus, University of Bern, Switzerland

**Title: Outlook and Social Impact Of Plant Biotechnologies**

Sandra Perez Alvarez, National Polytechnic Institute, Mexico

**Title: New scenarios for crop plants: TiO<sub>2</sub> nanoparticles in sludge-amended agricultural soil.**

Monica Ruffini Castiglione, University of Pisa, Italy

### Oral Presentations

**Title: The Phytobiome: The Role of Microbes in Plant Health and Plant Phenotype.**

Cardwell Kitty, Oklahoma State University – Stillwater, USA

**Title: Nodulation in a primitive (crack entry infection) symbiotic system**

Jianping Wang, University of Florida, USA

**Title: Physical process of development of an air bubble by air seeding in xylem.**

Fanyi Shen, Beijing Forestry University, China

**Title: RNA spray fights fungus**

Aline Koch, Justus-Liebig University of Giessen, Germany

**Title: Hormone-modulated response modules in the plasma membrane initiating early events in plant cell elongation.**

Klaus Harter, University of Tuebingen, Center for Plant Molecular Biology, Germany

**Title: The Evolutionary Footprint in the Genome of *Arabidopsis thaliana***

Ovidiu Popa, Institute of Quantitative and Theoretical Biology, Germany

**Title: Mutual influence of a vegetation and its evolution from one side, and permanently falling carbon dioxide and permanently increasing oxygen concentration in the Earth atmosphere from the other side, from Archei till now. The tendencies of development of natural conditions on the planet currently and for the foreseeable future period.**

Innokentiy Evgenievich Sinev, ROIKS, Russia

**Title: Transcriptome profiling during low temperature storage of sweetpotato tuberous roots to elucidate the mechanism of chilling injury.**

Chang-Yoon Ji, University of Science & Technology, Korea

**Title: Development And Application Of Dna And Metabolic Markers For Characterisation And Selection Of Garlic Cultivars.**

Jaroslava Ovesna, Crop Research institute, Czech Republic

**Title: Plant diversity and livelihoods in South America: obstacles and opportunities**

Mauricio Diazgranados Cadelo, Royal Botanic Gardens, Kew, UK

**Title: Resistance of pome fruit cultivars and ornamental cultivars of host plants of genus Rosaceous to fire blight in conditions of the Czech Republic.**

Jana Sillerova, Crop Research Institute in Prague, Czech Republic

**Title: Plant sex: How hot is too hot? Reproductive screening for heat tolerance in cotton.**

Susan Yvonne Jaconis, CSIRO Agriculture, Australia

**Title: Modulating effect of low and high temperatures on wheat reaction to cadmium stress.**

Natalia Repkina, Institute of Biology Karelian Research Centre of the Russian Academy of Sciences, Russia

**Title: Hormonal dynamic during salt stress response of salt-sensitive *Arabidopsis thaliana* and salt-tolerant *Thellungiella salsuginea*.**

Prerostova Sylva, Institute of Experimental Botany AS CR, Czech Republic

**Title: Metabolomic approach to resistance of *Avena* species to *Fusarium* head blight (FHB).**

Igor G. Loskutov, St-Petersburg State University, Russia

**Title: Dissection of the remorin gene function in rice.**

Laigeng Li, Institute of Plant Physiology and Ecology, China

**Title: Induction of barley silicon transporters HvLsi1 and HvLsi2 is responsible for silicon accumulation in shoot under concomitant drought and K deficiency.**

Seyed Abdollah Hosseini, Agro Innovation International - Roullier group, France

**Title: Biotechnologies for ex situ Conservation of botanical important Plant Species and molecular Techniques used for investigating in vitro genetic Stability.**

Victoria Cristea, Babes-Bolyai University Cluj-Napoca, Romania

**Title: Plant Biotechnology for rice disease resistance**

Zhou Fasong, Life Science and Technology Center of China Seed, China

**Title: High throughput in silico identification of beneficial mutant alleles in bread wheat through whole exome sequencing of a TILLING population.**

Jiancheng Song, School of Life Sciences, China

**Title: Characterization of transcription factors involved in early defense response during interaction of oil palm (*Elaeis guineensis*) with *Ganoderma boninense*.**

Nurshafika Mohd Sakeh, Universiti Putra Malaysia, Malaysia

**Title: Hydrogen cyanamide breaks grapevine bud dormancy in the summer through transient activation of gene expression and accumulation of reactive oxygen and nitrogen species**

Yung-fu Yen, National Chiayi University, Taiwan

**Title: Orthodox and recalcitrant seeds - two strategies of adaptation.**

Marina Azarkovich, Timiryazev Institute of Plant Physiology of Russian Academy of Science, Russia

**Title: Growing halophytes to enhance pasture production in salt affected desert**

Medhat Mekhail Tawfik, National Research Centre, Egypt

**Title: DNA-based Biosensing applied to wine authenticity**

Paula Filomena Martins Lopes, University of Trás-os-Montes and Alto Douro, Portugal

**Title: Transcriptomic analysis using RNAseq technology in commercial clones of "Nacional" cacao variety associated to bean flavor**

Eduardo Morillo, National Institute of Agricultural Research, South America

**Title: Advances in the knowledge of wild relatives of cassava: diversity and conservation of Brazilian species.**

Marcio Lacerda Lopes Martins, Center for Agrarian, Environmental and Biological Sciences (CCAAB), Brazil

**Title: Using genomic repeat abundance and cytogenomic approaches to infer phylogenetic relationships in *Caesalpinia sensu lato* (Fabaceae).**

Gustavo Souza, Federal University of Pernambuco Bioscience Center, Brazil

**Title: Antidiabetic and Free Radical Scavenging Properties of various extracts of *Hippophae rhamnoides*.**

M. Amin Mir, Uttarakhand Technical University, India

Speaker Slots Available

## Day 2 September 12, 2016 (Tuesday)

### Keynote Presentations

**Title: Risk assessment of deoxynivalenol in humans and animals**

Leif Sundheim, Norwegian Institute of Bioeconomy Research, Norway

**Title: Effect of abiotic and biotic factors on the biosynthesis of lycopene**

Helyes Lajos, Szent Istvan University, Hungary

**Title: Applying combinatorial biotechnology in potato as an example of crop improvement**

Elena Rakosy-Tican, Babes-Bolyai University, Romania

**Title: In vitro and molecular techniques combined with conventional methods for horticultural crop improvement**

Samir C. Debnath, St. John's Research and Development Centre, Canada

**Title: Climate Change Adaptation Strategies for Barley and Wheat Production**

Wafaa Mohamed Haggag, National Research Center, Egypt

### Oral Presentations

**Title: Overcoming the challenges of determining genetic diversity in closely related genotypes that have undergone a genetic bottleneck.**

Seanna Hewitt, Washington State University, USA

**Title: From transcription factors and flower evolution to understanding food (in)security and geopolitics.**

Ioan Negrutiu, Michel Serres Institute, France

**Title: Plant metabolomics: a tool to valorize crops in a changing world.**

Maria da Conceicao Lopes Vieira dos Santos, University of Porto, Portugal

**Title: Roles of protein palmitoylation in plant.**

Baoxiu Qi, University of Bath, UK

**Title: High altitude temporary pond plant community and population dynamics.**

Pinelopi Delipetrou, National & Kapodistrian University of Athens, Greece

**Title: The effect of *Tetraneura ulmi* L. galling process on the activity of amino acid decarboxylases and the content of biogenic amines in Siberian elm tissues**

Cezary Piotr Sempruch, Siedlce University of Natural Sciences and Humanities, Poland

**Title: Facilitation of adventitious root formation by nitrogen remobilization on reversible dark-induced carbohydrate depletion in *Petunia hybrida* and potential application in horticulture.**

Zerche, Siegfried, Leibniz-Institute of Vegetable- & Ornamental Crops, Germany

**Title: Improving the efficiency of wheat and triticale endogenesis: the starch story.**

Magdalena Szechyńska-Hebda, Institute of Plant Physiology, Polish Academy of Sciences, Poland

**Title: Influence of storage temperature, storage duration and disbudding on bulb production in Asiatic Liliium cv. 'Royal Trinity'**

Christos Lykas, University of Thessaly, Greece

**Title: Transforming the future of agriculture through synthetic photorespiratory bypass.**

Selcuk Aslan, Max Planck Institute of Molecular Plant Physiology, Germany

**Title: Manipulation of the starch granule number and morphology in Arabidopsis thaliana.**

Joerg Fettke, University of Potsdam, Germany.

**Title: The effect of industrial aerosol emissions on the heavy metals content and distribution in herbaceous plants**

Saglara Mandzhieva, Southern federal university, Russia

**Title: Analysis of metabolites modulated by Plasmopara viticola infection in Bianca grapevine leaves.**

Giulia Chitarrini, Fondazione Edmund Mach, Italy

**Title: Indicators And Descriptors Of Life Sciences Sustainable Higher Education In Bulgaria - Case Study In University Of Forestry.**

Nidhal Shaban, University Of Forestry, Bulgaria

**Title: Axenically culturing the bryophytes: problems, achievements and prospective of in vitro cultures.**

Marko Sabovljevic, University of Belgrade, Serbia

**Title: Ferns and Lycophytes in Balinasayao, Philippines: Participatory Inventory, Assessment and Conservation Initiatives.**

Victor B. Amoroso, Central Mindanao University, Philippines

**Title: Secretory structures of the leaves of Hibiscus sabdariffa Linn. (Malvaceae)**

Yogasphree Naidoo, School of Life Sciences, South Africa

**Title: GM crops development, policy and challenge in China.**

Ruifa Hu, Beijing Institute of Technology, China

**Title: Difference in Na dependence between Na loving plant species.**

Hideyasu Fujiyama, Tottori University, Japan

**Title: Response of Stevia rebaudiana Bertoni to Foliar Application with Yeast or Seaweed Extracts on Growth, Anatomical and Chemical Structure.**

Azza M. Salama, Cairo University, Egypt

**Title: Plant RNA-seq variants with a dual application in genetic diversity and association studies: Alternations of SSR motifs in response to abiotic stresses**

Naser Feto, Vaal University of Technology, South Africa

**Title: Interest of halophytes in the fight against desertification: study of physiological markers of halophytes responses to salinity**

Amroune Mohamed, Universite de Mascara, Algeria

**Title: Prediction of stress responsive chromosomal hot spots using RNA-seq data**

Arghavan Alisoltani-Dehkordi, Vaal University of Technology, South Africa

**Title: Yet to be decided.**

Seong Wook Yang, YONSEI UNIVERSITY, Korea, Republic of

**Title: Study of system modeling of Moringa (Moringa oleifera) fodder development, its nutritional response to ruminants and evaluation of food-feed competitive efficiency**

Khairul Bashar, Bangladesh Livestock Research Institute, Bangladesh

**Title: Molecular Markers: key biotechnology tools in the research and development of biofortified cereals**

Behzad Sadeghzadeh, Dryland Agricultural Research Institute, Iran

**Title: Social Construction of Cowpea Variety Development in Ghana:What is missing?**

Wilhemina Quaye, CSIR-Science and Technology Policy Research Institute, Ghana

**Title: Vegetative propagation trial of Prosopis africana (G. et Perr.) Taub. by air layering under sudano sahelian climate in the south-central Niger**

Laouali Abdou, University of Diffa / Niger, Nigeria

Speaker Slots Available

## Poster Presentations

**Title: Allotetraploid F1horAG1 improves natural chilling tolerance than its two diploid parents and their respective doubled diploids.**

Julie Oustric, University of Corsica, France

**Title:Comparison of winter wheat and triticale genotypes for high callus induction and plant regeneration from mature embryo cultures.**

Lidia Kowalska. Plant Breeding and Acclimatization Institute, Poland

**Title:Yet to be decided.**

Elzbieta Czembor, Plant Breeding and Acclimatization Institute, Poland

**Title: Effect Of Drought Stress On Aquaporin Isoforms Expression Level And Lipid Peroxidation Changes In Leaves In Cv. Horozkarası Grapevine Grafted On Different Rootstocks**

Mehmet KOC, Kilis 7 December University, Turkey

**Title: A population genomics approach to inferring local movement of plant pathogen vectors (Bactericera cockerelli, Hemiptera: Triozidae) among solanaceous hosts.**

Carmen Castillo C, National Institute of Agricultural Research, Ecuador

**Title: Yet to be decided.**

Jerzy Czembor, Plant Breeding and Acclimatization Institute - NRI, Poland

**Title: Evaluation of cultural and wild oat varieties for selected traits affecting the quality of human nutrition.**

Havrlentova Michaela, Research Institute for Plant Production, Slovakia

**Title: The Role of Grassland in climate protection.**

Irena Burzynska, Institute of Technology and Life Sciences in Falenty, Poland

**Title: Transcriptome Profiling of Coffee (C. arabica L) Seedlings Irrigated with Diluted Sea water.**

Mesfin Haile , Kangwon National University, Korea

**Title: Yet to be decided.**

Nada Bezic, University of Split, Croatia

**Title: Effects of Magnetic Field on Peroxidase Activity and Hardening of New Guinea Impatiens Explants.**

Fardad Didaran, Shiraz University, Iran

**Title: Effects of combined drought and temperature stress on germination properties of Retama raetam seeds.**

Raoudha Abdellaoui, Institute of Arid Regions of Medenine, Tunisia

**Title: Agronomic and molecular evaluation of cocksfoot and tall fescue cultivars for adaptation to an Algerian drought-prone environment.**

Mohamed MEFTI, Ecole Nationale Supérieure Agronomique, Algeria

**Title: Evaluation of some physiological characteristics of canola (*Brassica napus* L.) cultivars and Indian mustard (*B.juncea* L.) in response to salt stress.**

Gholamreza Zamani , University of Birjand, Iran

## Day 3 September 13, 2016 (Wednesday)

### Keynote Presentations

**Title: Cascading effects of inbreeding on plant-herbivore interactions.**

Kariyat Ramachandran Rupesh Ram, Swiss Federal Institute of Technology, Switzerland

**Title: Applications of quantitative cytometry (or cytomics) in plant sciences.**

Maria Santos, University of Porto, Portugal

**Title: Application of stable isotope and compound-specific isotope analyses to dendrochronological studies.**

Olga Churakova, University of Bern, Switzerland

**Title: Nanotechnology: Introduction and Trends in Plant Disease Control**

Ahmed I. S. Ahmed, Desert Research Center, Egypt

### Oral Presentations

**Title: Storage methods to prolong the longevity of pollen in agricultural and forestry species.**

Luz Cecilia García Cruzatty, Universidad Técnica de Manabí, Ecuador ( South America)

**Title: There is far more to underutilised cereals than meets the eye.**

Acga Cheng, University of Malaya, Malaysia

**Title: The effect of pre-anthesis temperature on quality of cut lilac branches.**

Agata Jedrzejuk, Warsaw University of Life Sciences, Poland

**Title: Oat beta-glucan – miracle or reality?**

Havrlentova Michaela, Research Institute for Plant Productio, Slovakia

**Title: Vermicompost Affects Shoot Growth of Trakya Ilkeren/5BB Grafting Combination Grapevine (*Vitis vinifera* L.) Saplings.**

Korkmaz Belliturk, Namik Kemal University, Turkey

**Title: New crops for new climates - challenges of salinity and climate-resilience.**

Redouane Choukallah, International Center for Biosaline Agriculture, Dubai

**Title: Development of leafy head upon microRNA coordination.**

Yuke He, Shanghai Institutes for Biological Sciences, China

**Title: Effect of tris(3-hydroxy-4-pyridinonate) iron(III) complexes in iron deficiency chlorosis.**

Maria Conceicao Rangel, University of Porto, Portugal

**Title: Contributions of Plant Tissue Culture to Plant Science**

Meltem Bayraktar, Ahi Evran University, Turkey

**Title: Effect of root zone temperature on synthesis and accumulation of alkaloids in *Catharanthus roseus*.**

Sonia Malik ,Federal University of Maranhao, Brazil

**Title: A Novel CBF from Oil Palm that Regulates Abiotic Stress Response and the Ripening Process through Modulation of the Ethylene Signaling Pathway**

Siti Nor Akmar Abdullah, Universiti Putra Malaysia, Malaysia

**Title: Screening effective microorganisms for agricultural solid waste treatment and microbial organic fertilizer production applying in sustainable agriculture**

Chinh Tang Thi, Vietnam Academy of Science and Technology, Vietnam

**Title: Production And Application Of Biofertilizer: Field Trial At Maize Field, Uchalan, Burdwan District, West Bengal,India.**

Sandhimita Mondal, Techno India University, India

**Title: Application of molecular biology in the determination of genetic diversity within the genus cactus (*Opuntia* spp) and identification of the main biomolecules derived from several species of nutritional, therapeutic and medicinal interest.**

Elkharrassi Youssef, University of Burgundy, Morocco

**Title: Characterization of fungal pathogens associated with root diseases of beans and cowpeas in Oman.**

Asma Al Jaradi, Oman Botanic Garden, Oman

**Title: Overview of walnut culture in Bulgaria.**

Stefan Gandev, Fruit Growing Institute, Bulgaria

**Title: Medicinal Plants and Indigenous Knowledge for Well-Being of Local People in Some Areas of Southern Ethiopia**

MathewosAgize Ante, Wolaita Sodo University, Ethiopia

**Title: Morpho-physiological and Molecular Characterization of Cynodon Accessions of Iran: A case study on cold tolerance**

Hassan Salehi, Shiraz University, Iran

**Title: Evaluation of advanced Kenyan Wheat lines for resistance to the prevailing stem rust races (*Puccinia graminis* f.sp. *tritici*)'.**

Beatrice Tenge, Kenya Agricultural and Livestock Research Organization, Kenya

**Title: Cultivation Technology of Specialty Mushrooms**

Beharilal Dhar, Mushroom Research Development and Training Center, Gurgaon

**Title: Insights into the Role of the Plastid Terminal Oxidase in the Redox Status of the Plastoquinone Pool under Drought Stress: Differential Responses of Photosynthesis to Drought in Cultivated Barley and its Wild Relative**

Shahbazi Maryam, Agricultural Biotechnology Research Institute of Iran (ABRII), Iran

**Title: Seminal And Nodal Root Growth And Ion Uptake Of Wheat Under Salt Stress**

Muhammad Atiq-ur-Rahman, Government College University Faisalabad, Pakistani

**Title: Nanotechnology development in plant science**

Javad Karimi, Isfahan Technical and Vocational Training Organization, Iran

**Title: The effect of environmental factors on extracellular polymeric substance production by soil cyanobacterium *Nostoc***

Bahareh Nowruzi, Islamic Azad University, Iran



# Program

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2017



*We wish to meet you @*

**GPMB - 2017**

During **September 11-13, 2017** at **Valencia, Spain**

Questions? Contact +1 (702) 988-2320 or Inquires: [plantscience@magnusconferences.com](mailto:plantscience@magnusconferences.com)  
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