



2019 Conference Programme (M)PIMP Future Foods – Challenges for Global Food Security

Tuesday, 3 September

- 08:30 – 10:00 **Registration**
- 10:15 – 12:30 **Session 1**
- 10:15 – 10:20 Welcome
- 10:20 – 11:00 **Mark Tester (KAUST, SA)**
 Genetic Characterization of Salinity Tolerance Traits to Increase Salinity Tolerance in Crops
- 11:00 – 11:40 **Björn Niere (BMZ, DE)**
 Sustainable Agriculture in German Development Co-operation
- 11:40 – 11:50 **Student talk: Daniela Ríos Rodríguez (KIT, DE)**
 Dissecting DNA Barcoding as a Plant Identification Tool: The Holy Basil Case
- 11:50 – 12:30 **Christine Foyer (University of Birmingham, UK)**
 The Role of Legumes in Sustainable Agriculture and Food Security
- 12:30 – 13:20 **Lunch break**
- 13:20 – 16:00 **Session 2**
- 13:20 – 14:00 **Alison Smith (University of Cambridge, UK)**
 Algae for Food – Enhancing Nutritional Value and Reducing Waste
- 14:00 – 14:40 **Kirsi-Marja Oksman-Caldentey (VTT, FI)**
 Biotechnology of Berry-Based Ingredients for Cosmetic, Pharma and Food Applications
- 14:40 – 14:50 **Student talk: Matthijs Hölscher (MPI-MP, DE)**
 Production Of Potent Small-Polypeptide Microbicides in Transplastomic Plants
- 14:50 – 15:30 **Shanshan Luo (MPI-TM, DE)**
 Design and Construction of a Synthetic CO₂ Fixation Cycle *in vitro*
- 15:30 – 16:00 **Coffee break**
- 16:00 – 17:30 **Session 3**
- 16:00 – 16:40 **Fernando Geu-Flores (University of Copenhagen, DK)**
 Biosynthesis and Translocation of Toxic Alkaloids in Lupins
- 16:40 – 16:50 **Student talk: David Schröter (IGZ/DIfE, DE)**
 Consumed by Millions, Yet Unexplored – A Functional Characterization of the Secondary Metabolite Profile of Amaranth Leaves
- 16:50 – 17:30 **Joachim Schiemann (JKI, DE)**
 Plant Genome Editing – Policies and Governance
- 17:30 – 18:45 **Meet and Greet session with Tuesday's speakers (with refreshments)**

Wednesday, 4 September

- 09:15 – 10:45 **Session 4**
- 09:15 – 09:55 **Rachel Wells (JIC, UK)**
Optimising Brassica Genetics to Meet our Growing Challenges
- 09:55 – 10:05 **Student talk: Philipp Rink (IPK, DE)**
Generation of a Genome-Wide Virulence Map of *U. Maydis*
- 10:05 – 10:45 **Nick Saik (Know Ideas Media, CA)**
GMO: The Status Quo
- 10:45 – 11:15 **Coffee break**
- 11:15 – 12:45 **Session 5**
- 11:15 – 11:55 **Matt Clark (NHM, UK)**
Unlocking Bread Wheat Genome Diversity with New Sequencing and Assembly Approaches
- 11:55 – 12:05 **Student talk: Maria Krantz (HU, DE)**
Moonlighting Proteins - A Systematization
- 12:05 – 12:45 **Eva Gietl (KWS, DE)**
Modern Plant Breeding from a Company Perspective
- 12:45 – 13:00 **Conference group picture**
- 13:00 – 14:00 **Lunch break**
- 14:00 – 16:10 **Session 6**
- 14:00 – 14:40 **Natalie Laibach (University of Bonn, DE)**
Tackling Food Security from a Technology and Innovation Management Perspective – What Can We Learn from Technology, Company and Individual Data?
- 14:40 – 15:20 **Wendy Harwood (JIC, UK)**
Crop Genome Editing: Opportunities and Challenges
- 15:20 – 15:30 **Student talk: Dora Pinczinger (JKI, DE)**
Naturally Occurring Flower Mutation in Offspring of a Large Fruited Raspberry Chance Seedling
- 15:30 – 16:10 **Jessica Eise (Purdue University, USA)**
The Human Variable: How Communication Determines Science Adoption
- 16:15 – 17:30 **Meet and Greet session with Wednesday's speakers (with refreshments)**
- From 18:00 **BBQ**