

CROP PLANTS: BIODIVERSITY AND GENOMICS

The meeting will be held in conjunction with the Society of Plant Breeding (GPZ e.V.)

Conference dinner: November 16, 19:30

Dr. Dr. h. c. Hermann Eiselen – his contributions for alleviating hunger in the developing world and his input to plant breeding

Wednesday, November 16; 13:00 - 18:30

13:00	<i>Opening remarks</i>
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Markus Rodehutschord, Vice-Dean

Gerd Weber, Speaker of the Research Center for Biotechnology & Plant Breeding

13.:30-15:10 BREEDING FOR DEVELOPING COUNTRIES Chair: Bettina Haußmann

13:30 **Mark E. Sorrells**

Association breeding strategies for developing countries

14:20 **Abubaker Touré**

Development of high yielding sorghum varieties for West Africa

15:10 **Peter Craufurd**

Drought tolerance inputs for Asia and Africa in the face of climate change

16:00-16:30 *Coffee break*

Wednesday, November 16 (continued)

16:30 – 18:10 BIODIVERSITY Chair: Albrecht E. Melchinger

- 16:30 **Andreas Graner**
*Genomics assisted valorization of plant genetic resources of barley:
Opportunities and constraints*
- 17:20 **Arndt Zacharias**
Utilization of genetic resources in breeding programs
- 18:10 **Karl Schmid**
Population genetics of gene banks: A case study with barley
- 18:50 **Society of Plant Breeding (GPZ e.V.)**
Award ceremony by Chris-C. Schön
- 19:30 *Conference dinner*

Thursday, November 17; 9:00 – 13:00

09:00 -12:30 GENOMICS Chair: Karl Schmid

- 09:00 **Harald von Witzke**
World food security: The role of productivity growth and agricultural research
- 09:50 **Tobias Würschum**
Mapping genes in breeding populations
- 10:20-11:00 *Coffee break*
- 11:00 **Stefan Scholten**
*Correlation of parental transcriptome and field data for the characterization and
prediction of heterosis*
- 11:50 **Michele Morgante**
The plant pan-genomes and the creation of novel variation
- 12:30-13:00 **Gerd Weber**
Closing remarks
- 13:00 *End of conference*