



05. June 2014

27th Colloquium

„Genomic Selection in Plant Breeding“

20th November 2014

11:00 – 18:35 / Venue: Aula, Castle Hohenheim

- 11:00** **Welcome and opening address**
Prof. Dr. S. Dabbert, President, University of Hohenheim
Prof. Dr. Karl Schmid, Speaker of Research Center Biotechnology and Plant Breeding,
University of Hohenheim
- 11:15 – 12:45** **Chair: Prof. Dr. Albrecht E. Melchinger**
Biometric foundations of genomic selection
- 11:15 Prof. Dr. Jörn Bennewitz, University of Hohenheim
“Genomic selection in animal breeding: Current state of the art and perspectives”
- 11:45 Prof. Dr. Matthias Frisch, Justus-Liebig-University Gießen
“Ridge regression methods with heteroscedastic marker variances for genomic
prediction”
- 12:15 Prof. Dr. Chris-Carolin Schön, Technische Universität München
“Building a unified framework for prediction of complex phenotypes”
- 12:45 – 13:45 Lunch Break (Snacks)*
- 13:45 – 15:45** **Chair: PD Dr. Tobias Würschum**
Genomic selection and breeding methods
- 13:45 Prof. Dr. Hans-Peter Piepho, University of Hohenheim
“Estimation of heritability and prediction accuracy”
- 14:15 Prof. Dr. Albrecht E. Melchinger, University of Hohenheim
“Genomic prediction in hybrid breeding”
- 14:45 M.Sc. Pascal Schopp, University of Hohenheim
“Assessment of factors contributing to accuracy of genomic prediction”
- 15:15 Dr. Laurence Moreau, INRA Science and Impact, France
“Prediction accuracy of genomic selection in highly diverse panels and multiparental
designs”

15:45 – 16:15 Coffee break

16:15 – 18:35 Chair: Prof. Dr. Chris-Carolin Schön

Genomic selection in plant breeding programs

- 16:15 Dr. Friedrich Longin, University of Hohenheim
“Hybrid wheat: Optimum breeding strategies and genomic selection”
- 16:45 M.Sc. Patrick Thorwarth, University of Hohenheim
“Genomic selection in barley”
- 17:15 Dr. Andres Gordillo, KWS SAAT AG, Germany
“Genomic selection in hybrid breeding: lessons learned from practical experience”
- 17:45 Dr. Christian Riedelsheimer, DuPont Pioneer
“Genomic predictions in a commercial maize breeding program”
- 18:15 Laudatio for Prof. Dr. H. Friedrich Utz by Prof. Dr. Albrecht E. Melchinger
“50 years of service to Plant Breeding at the University of Hohenheim”

18:35 End of Colloquium

- 19:00 After the colloquium, there will be a reception and supper in the balcony room, castle of the University of Hohenheim

Chair of local organizing team: apl. Prof. Dr. T. Miedaner, State Plant Breeding Institute (720), University of Hohenheim; Email: Thomas.miedaner@uni-hohenheim.de

Chair of program committee: Prof. Dr. A. E. Melchinger, Head Applied Genetics and Plant Breeding (350a), University of Hohenheim; Email: melchinger@uni-hohenheim.de