

## International Conference on "Selection Theory and Breeding Methodology"

March 23 - 24, 2017  
Campus of the TUM School of Life Sciences Weihenstephan  
Lecture Hall 17 / HS17

### Thursday March 23, 2017

12:00	<i>Registration, Lunch</i>	<i>Foyer Liesel-Beckmann-Str. 1</i>
<b>13:00</b>	<b>Welcome and Introductory Comments – Chris Schön</b>	
<b>Session Chair: Elisabetta Frascaroli and Hans-Peter Piepho</b>		
<b>13:30</b>	<b>Albrecht Melchinger – Universität Hohenheim</b> Heterotic groups – an important concept in hybrid breeding	
<b>14:00</b>	<b>Susanne Groh – Pioneer Hi-Bred International</b> Challenges in hybrid maize breeding	
<b>14:30</b>	<b>Peer Wilde – KWS Lochow</b> Impact of genomic selection on breeding methodology in hybrid rye	
<b>15:00</b>	<b>Christina Lehermeier – Technische Universität München</b> Genomic variance estimates and their usefulness in breeding	
15:30	<i>Coffee break</i>	
<b>16:15</b>	<b>Jochen Reif – IPK Gatersleben</b> Genome-based establishment of heterotic patterns for hybrid wheat breeding	
<b>16:45</b>	<b>Nicolas Heslot – Limagrain</b> Optimal use of genomic prediction in wheat breeding	
<b>17:15</b>	<b>Ian Mackay – NIAB, Cambridge</b> Learning from the past: using historical data to improve future decisions	
<b>Session Chair: Leo Dempfle</b>		
<b>17:45</b>	<b>Daniel Gianola – University of Wisconsin-Madison</b> A brief history of statistical methods in animal breeding	
19:00	<i>Conference dinner</i>	<i>Aula ZIEL Gregor-Mendel-Str. 2</i>

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#### Session Chair: Milena Ouzunova and Arthur Korte

<b>09:00</b>	<b>Fred van Eeuwijk – Wageningen University</b> Accounting for genotype x environment interaction in plant breeding programs	
<b>09:30</b>	<b>Vanessa Prigge – SaKa Pflanzenzucht</b> Challenges in potato breeding	
<b>10:00</b>	<b>Jeff Endelman – University of Wisconsin-Madison</b> Improving selection in potato breeding	
<i>10:30</i>	<i>Coffee break</i>	
<b>11:15</b>	<b>Jean-Luc Jannink – Cornell University</b> Signal from sequence: potential to aid prediction and purging in cassava	
<b>11:45</b>	<b>Alain Charcosset – INRA, Le Moulon</b> Integration of genetic resources	
<i>12:15</i>	<i>Lunch</i>	<i>Foyer room 83/84 Liesel-Beckmann-Str. 2</i>

#### Session Chair: Bruce Walsh

<b>13:30</b>	<b>William Hill – University of Edinburgh</b> Influences on long term response	
<b>14:00</b>	<b>John Woolliams – University of Edinburgh</b> Maximising gain, managing variation	
<b>14:30</b>	<b>Henner Simianer – Universität Göttingen</b> A Markovian approach to model breeding programs	
<b>15:00</b>	<b>Mike Goddard – University of Melbourne</b> Optimal structure of genetic improvement programs	
<b>15:30</b>	<b>Discussion</b>	
<i>16:00</i>	<i>End</i>	