

4th CiBreed Fall Workshop

October 13-14, 2022

Alfred-Hessel-Saal
Papendiek 14, 37073 Göttingen

Scientific Program

Thursday, October 13, 2022

Registration from 11:00

Welcome and Opening

12:00-12:15 *Stefan Scholten* (Local organizer), *Tim Beissinger* (Managing director of CiBreed),
Dieter Stelling (Deutsche Saatveredelung AG)

SESSION 1 Hybrid Breeding /Heterosis (Chair: *tbd*)

12:15-12:45 *Jianbing Yan* **Key note:** Big data driven maize quantitative
Huazhong Agricultural University genetic studies
Wuhan

12:45-13:15 *Georg Thaller* **Key note:** Crossbreeding schemes in cattle
Christian-Albrechts-Universität
zu Kiel

14:00-14:35 4 selected talks à 20 minutes

14:35-15:45 **Coffee Break and Poster Session**

Thursday, October 13, 2022

SESSION 2 Farewell Henner Simianer (Chair: <i>tbd</i>)		
15:45-15:55	Introduction: <i>Tim Beissinger</i> , Managing Director of CiBreed	
15:55-16:25	<i>Malena Erbe</i> Bayerische Landesanstalt für Landwirtschaft (LfL), Grub	Assessing genomic prediction results - theoretical and practical aspects of validation
16:25-16:55	<i>Steffen Weigend</i> Federal Research Institute for Animal Health, Neustadt	Phylogenetic studies in the chicken in the course of time
16:55-17:25	<i>Pieter Knap</i> Genus, PIC, Schleswig	Pig breeding for improved sustainability
17:25-17:55	<i>Daniel Gianola</i> University of Wisconsin, Madison	Machine learning in genomic prediction: where are we?
17:55-18:10	Closing words: <i>Henner Simianer</i>	

19:00 Dinner at the Restaurant Bullerjahn, Ratskeller (admission only with an invitation card)

Friday, October 14, 2022

SESSION 3 Innovative Species (Chair: <i>Johan Zicola, University of Göttingen</i>)		
09:00-09:30	<i>Arend van Peer</i> Wageningen University and Research, Wageningen	Key Note: Breeding for mushrooms and alternative fungal applications
09:30-10:00	<i>Murukarthick Jayakodi</i> Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben	Key Note: Recent Developments and Future Perspectives in faba bean Research
10:00-11:00	3 selected talks à 20 minutes	

11:00-12:10 Lunch Break and Poster Session

SESSION 4 Innovative Technologies (Chair: <i>Felix Heinrich, University of Göttingen</i>)		
12:10-12:40	<i>Jochen Kumlehn</i> Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben	Key Note: Site-directed genetic engineering in cereals - principles and applications
12:40-13:10	<i>Niels Müller</i> Thünen Institute of Forest Genetics, Großhansdorf	Key Note: Natural variation in forest trees - from single-gene sex determination to polygenic adaptation
13:10-14:10	3 selected talks à 20 minutes	

14:10-14:20 Farewell and end of the meeting

Workshop Organizer

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