German Plant Breeding Conference
28.02. – 02.03.2018

Program

Wednesday, February 28, 2018

12:50 Opening

Session 1: Conservation and Characterization of Plant Genetic Resources
Chair: Andreas Granner

13:00 Susan McCouch
CU, Ithaca, New York, US
The future of gene banks

13:40 Frank Beigemann
BLE, Bonn, GE
Implications of the access and benefit-sharing framework on research and breeding in Germany

14:05 Nils Stein
IPK, Gatersleben, GE
Bank Genomics - "collecting stamps" or service to research and application?

14:30 Frank Ordon
JKU, Quedlinburg, GE
Harnessing genetic diversity for improving resistance in cereals

14:55 Coffee Break and Poster Session

16:00 Artem Pankin
HHU, Duesseldorf, GE
Exploring allelic diversity in wild and cultivated barley genomes: selection scans and domestication model

Session 2: Trait Mapping/Gene Discovery (I)
Chair: Milena Ouzunova

16:20 Rod Snowdon
JLU, Giessen, GE
To see or not two C? That is the question

16:45 Maria von Korff Schmising
HHU, Duesseldorf, GE
Identification and functional characterization of novel genes controlling inflorescence development in barley

17:10 Hermann Bürstmayr
BOKU, Vienna, AT
Genomics assisted improvement of Fusarium head blight resistance in bread wheat, durum wheat and triticale

17:35 Coffee Break and Poster Session

Evening lecture

18:30 Achim Dobermann
RR, Harpenden, UK
Challenges and opportunities of crop improvement – an agronomist’s view

19:10 Reception

Thursday, March 1, 2018

Session 2: Trait Mapping/Gene Discovery (II)
Chair: Maria von Korff Schmising

8:30 Brande Wulff
JIC, Norwich, UK
Harnessing genetic variation in the immune system of wild wheat

09:10 Rajeev Varshney
ICRISAT, Patancheru, IN
4Gs in crop breeding

09:50 Ivan F. Acosta
MPZP, Cologne, GE
Libraries of doubled haploid lines from landraces: a new tool for seed banks, breeding and genetic research

10:30 Coffee Break and Poster Session

Session 3: Yield potential
Chair: Christian Jung

11:30 Robert Sharwood
ANU, Canberra, AU
Improving crop productivity by building resilience to future climates through exploiting natural diversity in photosynthetic CO2 fixation

12:10 Thorsten Schnurbusch
IPK, Gatersleben, GE
Genetic regulation of spike shape and grain number in temperate cereal crops

12:35 Felix Seifert
UHH, Hamburg, GE
Small RNA-based prediction of hybrid performance in maize

12:55 Andreas Maurer
MUJ, HalleSaale, GE
Footprints of selection derived from heterozygosity patterns in a barley NAM population

13:15 Lunch

Session 4: Advances in Breeding
Chair: Jochen C. Reif

14:45 Chris-Caroline Schön
TUM, München, GE
Main drivers of genomic prediction accuracy in plant populations

15:25 Albrecht Meichinger
UH, Hofheim, GE
Libraries of doubled haploid lines from landraces: a new tool for seed banks, breeding and genetic research

16:05 Delphine van Inghelandt
HHU, Duesseldorf, GE
Prospects and potential uses of genomic prediction of key performance traits in tetraploid potato

16:45 Coffee Break

Session 5: Biotechnology (I)
Chair: Jochen Kumlehn

17:30 Paul Christou
UdL, Laiea, ES
High carotenoid cereals: A plant model for human and animal health and nutrition

18:10 Poster Session & GPZ Membership Assembly

19:45 Conference Dinner

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We are looking forward to welcome you in Wernigerode.

http://meetings.ipk-gatersleben.de/gpbc2018/