**会议议程**

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| **August 26th, 2019** |
|  | **Opening ceremony开幕式**Chair: Dr. Fan Chen主持人：陈凡 |
| 08:30-08:35 | Welcome speech **致欢迎辞****Dr. Weicai Yang** (Director of IGDB, CAS, China)杨维才（中国科学院遗传与发育生物学研究所 所长） |
| 08:35-08:40 | Welcome speech **致欢迎辞****XXX (**Leader of Science and Technology Department of Qinghai Province)XXX (**青海省科学技术厅领导)** |
| 08:40-08:50 | Brief introduction of IGDB**中国科学院遗传与发育生物学研究所情况介绍****Dr. Weicai Yang** (Director of IGDB, CAS, China)杨维才 博士（中国科学院遗传与发育生物学研究所 所长） |
| 08:50-09:00 | Brief introduction of IPK**IPK情况介绍****Dr. Andreas Graner** (Director of IPK, Germany)**Andreas Graner博士 （**IPK所长 德国**）** |
| 09:00-09:10 | Brief introduction of NWIPB**中国科学院西北高原生物研究所情况介绍****Dr. Shilong Chen (**Director of NWIPB, CAS, China**)****陈世龙 博士（**中国科学西北高原生物研究所 所长） |
| 09:10-09:20 | Brief introduction of TAAAS**西藏自治区农牧科学院情况介绍****Dr. Nima Zhaxi** (Director of TAAAS, China)尼玛扎西 博士 （西藏自治区农牧科学院 院长） |
| 09:20-09:40 | **Photography and Coffee break****合影及茶歇** |
|  | **Session 1: Resources and Omics**Chair: Dr. Weicai Yang |
| 09:40-10:10 | Plant genetic resources: in the crosshairs of conservation and innovation**Andreas Graner** (IPK, Germany) |
| 10:10-10:40 | Wheat genome sequencing in IGDB**Hong Qing Ling** (IGDB, CAS, China) |
| 10:40-11:05 | Towards the pan-genome of barley**Martin Mascher** (IPK, Germany)  |
| 11:05-11:30 | High throughput phenomics @IPK: Phenotyping acclimation capacity in model and crop plants**Astrid Junker** (IPK, Germany) |
| 11:30-11:55 | Manipulation of DNA methylation in barley and wheat aiming to improve plant performance.**Hua Jiang** (IPK, Germany)  |
| 11:55-14:00 | **Lunch** |
|  | **Session 2: Biotic and Abiotic Stress**Chairs: Dr. Jochen C. Reif and Dr. HongQing Ling |
| 14:00-14:30 | Cloning and utilization of Fhb1 conferring resistance to wheat Fusarium head blight**Zhengqiang Ma** (Nanjing Agricultural University, China)  |
| 14:30-14:55 | Unlocking the barley landraces for BaMMV/BaYMV resistance**Ping Yang** (ICS, CAAS, China)  |
| 14:55-15:20 | The NLR protein Pm60 confers powdery mildew resistance in wheat **Dingzhong Tang** (Fujian Agricultural University, China) |
| 15:20-15:45 | Understanding the Immune Signaling in Barley Interaction with Powdery Mildew Fungus**Qianhua Shen** (IGDB, CAS, China)  |
| 15:45-16:00 | **Coffee break** |
| 16:00-16:30 | Natural selection on the powdery mildew resistance genes in wheat **Zhiyong Liu** (IGDB, CAS, China)  |
| 16:30-16:55 | Dissecting Stripe Rust Resistance from Progenitors of Wheat and the Application for Wheat Breeding**Lin Huang** (Sichuan Agricultural University, China) |
| 16:55-17:20 | Haplotype analysis of a chromosomal locus conferring heat tolerance in common wheat**Daowen Wang** (IGDB, CAS, China) |
| 17:20-17:45 | Gene transfer from alien species into wheat**Xiue Wang** (Nanjing Agricultural University, China)  |

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| **August 27th, 2019** |
|  | **Session 3: Developmental Biology** Chair: Dr. Andreas Graner and Dr. Xiangdong Fu |
| 08:30-09:00 | Pollen tube guidance in flowering plants: The interplay between male and female gametophytes**Weicai Yang** (IGDB, CAS, China) |
| 09:00-09:25 | The viability of wheat pollen and the potential for its long-term storage**Manuela Nagel** (IPK, Germany) |
| 09:25-09:50 | The molecular pathways mediated by the wheat *Q* gene**Long Mao** (ICS, CAAS, China) |
| 09:50-10:10 | **Coffee break** |
| 10:10-11:40 | Wheat inflorescence architecture and fertility—implications for yield potential**Thorsten Schnurbusch** (IPK, Germany)  |
| 10:40-11:05 | Transcriptome association identifies regulators of wheat spike architecture**Yuling Jiao** (IGDB, CAS, China) |
| 11:05-11:30 | DROOPY LEAF1 controls leaf architecture by orchestrating early brassinosteroid signaling**Xigang Liu** (IGDB, CAS, China) |
| 11:30-11:55 | Cas endonuclease technology in cereals - methods and applications **Jochen Kumlehn** (IPK, Germany) |
| 11:55-14:00 | **Lunch** |
|  | **Session 4: Nutrient and Light Use Efficiency**Chair: Dr. Yuhu Shen |
| 14:00-14:30 | Enhanced sustainable Green Revolution yield via modulation of coordinating plant growth and nitrogen responses**Xiangdong Fu** (IGDB, CAS, China) |
| 14:30-14:55 | Nitrate-NRT1.1B-SPX4 cascade integrates nitrogen and phosphorus signaling networks in plants **Chengcai Chu** (IGDB, CAS, China) |
| 14:55-15:20 | Looking for NUE related factors through multi-omics in wheat**Jun Xiao** (IGDB, CAS, China) |
| 15:20-15:45 | Structure and function difference of plastidic and cytosolic phosphoglucose isomerase in wheat**Cuimin Liu** (IGDB, CAS, China) |
| 15:45-16:00 | **Coffee break** |
|  | **Session 5: Triticea Crop Breeding and Trait Characterization**Chair: Dr. Qien Yang |
| 16:00-16:30 | Big data strategies for predicting hybrid performance in wheat **Jochen C. Reif** (IPK, Germany) |
| 16:30-17:00 | Progress in Hulless Barley Breeding in Tibet**Nima Zhaxi** (TAAAS, China) |
| 17:00-17:25 | The genetic and molecular mechanism of the traits relative to anthocyanin biosynthesis in wheat**Baolong Liu** (NWIPB, CAS, China) |
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| 17:25-18:25 | **Discussion for collaboration** Chairs: Dr. Weicai Yang and Dr. Andreas Graner |
| 18:25-18:30 | **Closing remark by Dr. Weicai Yang** |

**主要参会人员**

德方：

Andreas Graner, Acting director, IPK

Thorsten Schnurbusch, Research Group Leader Plant Architecture, IPK

Astrid Junker, Research Group Leader Acclimation Dynamics and Phenotyping, IPK

Martin Mascher, Research Group Leader Plant Architecture, IPK

Manuela Nagel, Research Group Leader Cryo and Stress Biology, IPK

Hua Jiang, Research Group Leader Applied Chromosome Biology Group, IPK

Jochen Kumlehn, Headof Plant Reproductive Biology, IPK

Jochen Reif, Head of department Breeding Research, IPK

中方：

杨维才，中科院遗传与发育学研究所所长、研究员

傅向东，中科院遗传与发育学研究所植物细胞与染色体工程国家重点实验室主任、研究员

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黄 林，四川农业大学小麦研究所研究员

王 芳，山东农业大学研究员

唐定中，福建农林大学教授

尼玛扎西，西藏农牧科学院院长、研究员