

## GPZ Meeting, Working Group 4 (Genome Analysis)

### *Digital and Genomics-Assisted Breeding for a Plant-Based Bioeconomy*

March 13-14, 2023, Halle (Saale), Theodor-Lieser-Str. 9, HS 1.04

Co-Sponsored by:

DiP (Modellregion Mitteldeutschland – Digitalisierung pflanzlicher Wertschöpfungsketten)

#### *First Day (March 13, 12:30-18:15, including dinner event)*

**12:30 Registration & Poster Setup**

**13:30 Opening Klaus Pillen**

#### **Session 1: Digital Mining of Genes and Alleles: from Single Genomes to Pan-Genomes**

**13:45 Keynote lecture, Nils Stein, IPK Gatersleben:**

*“The barley pan-genome – access to genome diversity at species’ resolution”*

**14:30 - 15:30** 3 session talks (TBA) à 20 min.

**15:30 Coffee Break and Poster Presentations**

#### **Session 2: Digital Securing of Biotic and Abiotic Stress Resilience**

**16:30 Keynote lecture, Kerstin Neumann, IPK Gatersleben:** *“Application of high-throughput phenotyping techniques to improve crop adaptation to global warming”*

**17:15 - 18:15** 3 session talks (TBA) à 20 min.

**19:00: Get Together and Dinner Event**

#### *Second Day (March 14, 8:30-14:00, including lunch)*

#### **Session 3: Breeding of New Products from Old Plants for the Bioeconomy**

**08:30 Keynote lecture, Stefan Paulus, IfZ, Göttingen:**

*“Objective plant imaging and Ai interpretation for plant breeding”*

**09:15 - 10:15** 3 session talks (TBA) à 20 min.

**10:15 Coffee Break and Poster Presentations**

#### **Session 4: Breeding of New Products from New Plants for the Bioeconomy**

**11:00 Keynote lecture, Christian Jung, CAU Kiel:**

*“Introducing new crops for the German bioeconomy - quinoa as a case study”*

**11:45 - 12:45** 3 session talks (TBA) à 20 min.

**13:00 – 14:00: End of Meeting and Lunch**