

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