

# DILS Retreat

November 20/21, 2024 – IPK Gatersleben



## 20.11.2024 (Wednesday)

**12:30 Arrival / lunch**

**13:30 Welcome notes**

13:35 Maximilian Wolf: *Development of a fecal metaproteomics panel by crossvalidation of protein biomarkers*

14:00 Luca Parmigiani: *Measures and algorithms for alignment-free comparative pan-genomics*

14:25 Leonard Bohnenkämper: *CARP – Quantifying the structural complexity of pangenomes*

**14:50 Break (15')**

15:05 Benedikt Osterholz: *Characterizing biogas microbioms by meta analysis of metagenomes*

15:30 Luna Pianesi: *Graph neural networks and explainable AI for a new Aurora kinase inhibitor*

15:55 Daniel Kautzner: *Potential of knowledge graphs for proteomics research*

**16:20 Break (25' incl. group picture)**

16:45 Muhammad Elhossary: *Comparitive analysis of small RNA regulatory networks in Gammaproteobacteria*

17:10 Benjamin Wolff (application): *Knowledge injection strategies for large language models*

17:35 **End of program** (Meeting BW & Faculty only)

**17:50 Bus transfer to Quedlinburg**

Intermediate stop at hotel for check-in (Hotel ACRON)

**18:30 Guided tour of Quedlinburg (~1h), meeting point: Marketplace**

**19:30 Dinner (Münzenberger Klause, Pölle 22)**

## 21.11.2024 (Thursday)

**8:30 Bus to IPK**

**9:00 Start of program**

9:00 Manuel Feser: *Pathing the way to plant data commons*

9:25 Keynote talk: Mary-Ann Blätke, *Integrated Mechanistic Models, IPK*

*"Using Metabolic Modeling for Multiomics Integration in AVATARS:  
Unlocking Rapeseed Seed Development"*

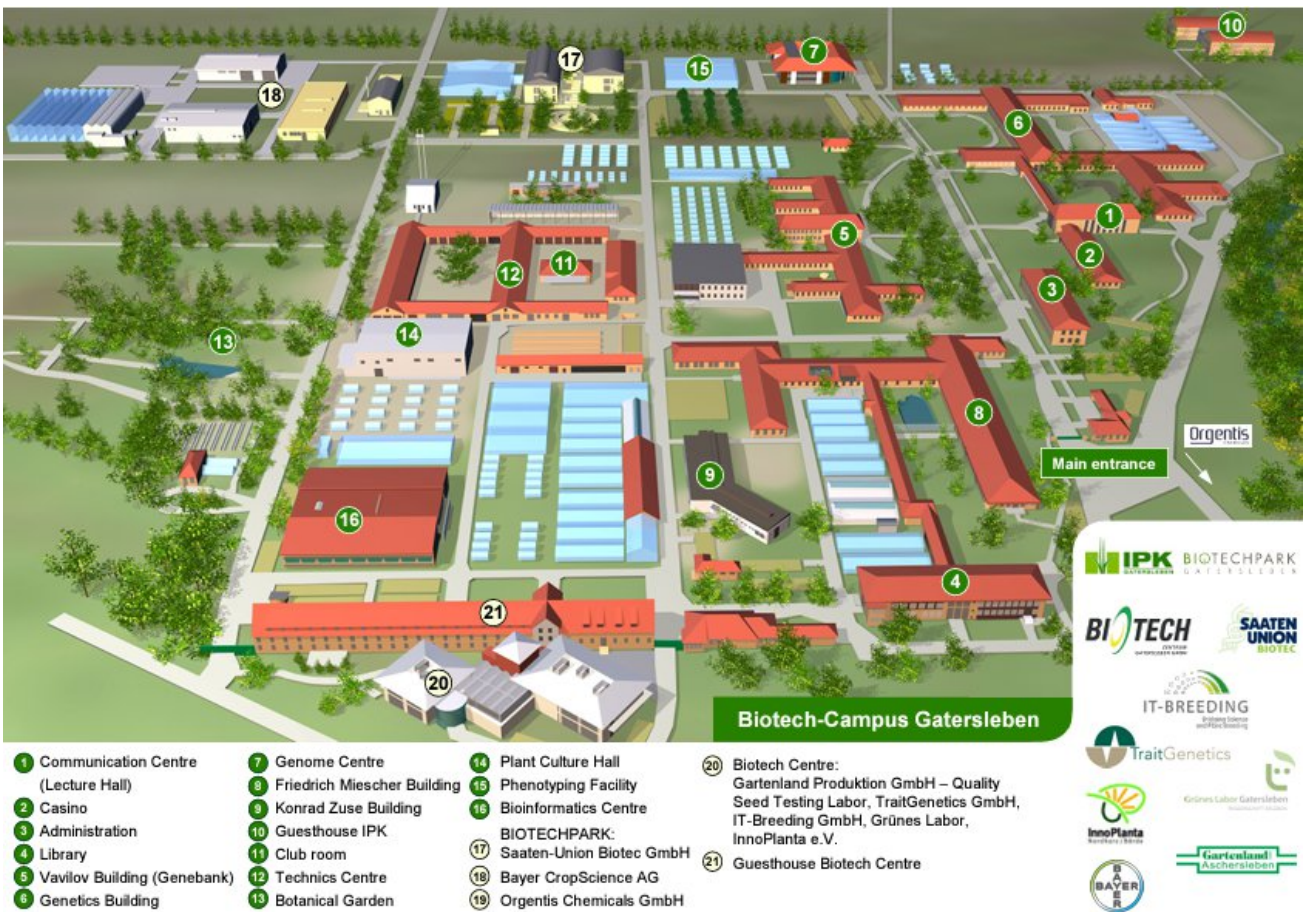
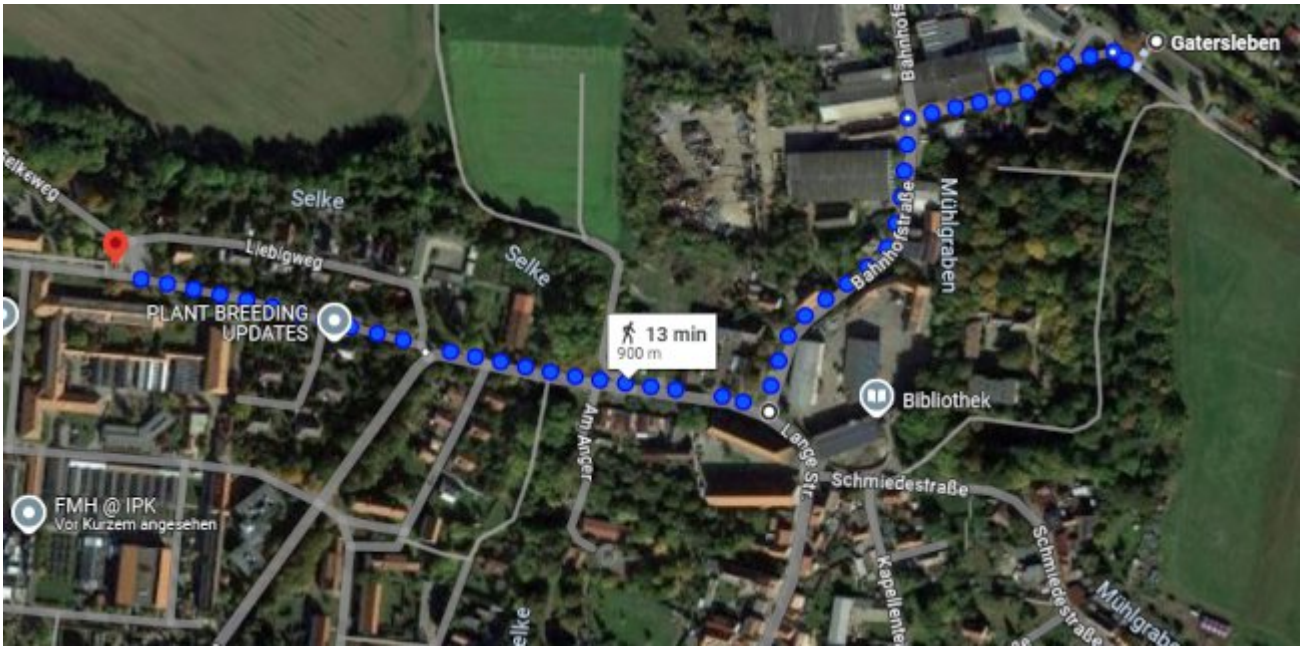
**10:10 Break**

10:30 IPK Tour (in parallel: faculty meeting)

**12:00 Lunch**

**13:00 End of program**

# Route from Gaterleben station to IPK



We will meet at the Main Entrance. The retreat will take place in the Bioinformatics Centre (Nr. 16).

In case you get lost: +49 39482 5-696 (Manuel Feser)