7th BIBI/ZB MED Workshop
October 17, 2022 – Hotel Esplanade, Burgwall 3, Dortmund
Zoom: https://uni-bielefeld.zoom.us/j/66919697709?pwd=bGplTDdsWHd4SkNaaVlVNTFiQG9BZz09

Program

10:00 Welcome notes
10:05 Tom Tubbesing
Facilitating the exploration of microbial communities
10:30 Muhammad Elhossary
Genome-wide identification of regulatory small RNAs in bacteria based on multi-omics sequencing data
10:55 Break
11:25 Andreas Rempel
The Pangenomics Workbench
11:50 Luca Parmigiani
Revisiting the pangenome openness with k-mers
12:15 Tizian Schulz
Sketching Homology
12:40 Lunch
13:40 Lisa Kühnel
Generating synthetic data for a longitudinal, heterogeneous and incomplete dataset
14:05 Keynote: Uwe Scholz, IPK Gatersleben
Bioinformatics in plant sciences – On the way to pangenomes
14:45 Break
15:00 Hanna Schilbert
Tools to unravel the genetic basis of selected seed quality parameters in rapeseed (Brassica napus)
15:25 Katharina Sielemann
Computational approaches to resolve the parental relationships of a tetraploid wild beet
15:50 Donat Wulf
Single cell analysis of the developing barley leaf
16:15 Break
16:45 Janik Sielemann
Using graph neural networks to detect plasmid contigs from assembly graphs
17:10 Keynote: Robert Heyer, Bielefeld University
Challenges of (meta)proteomics data analysis
18:00 Closing remarks / end of program