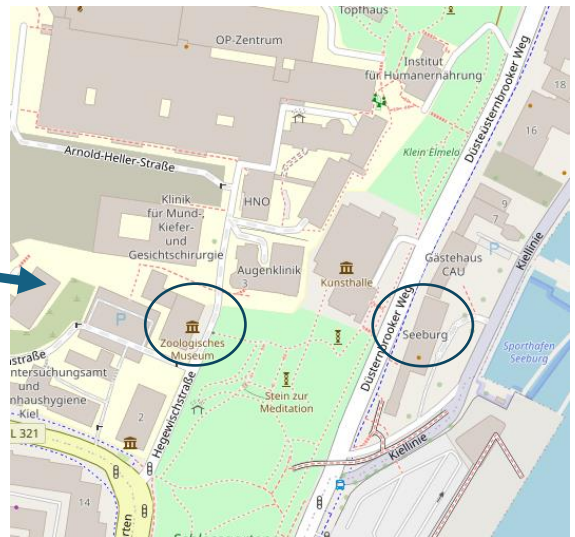
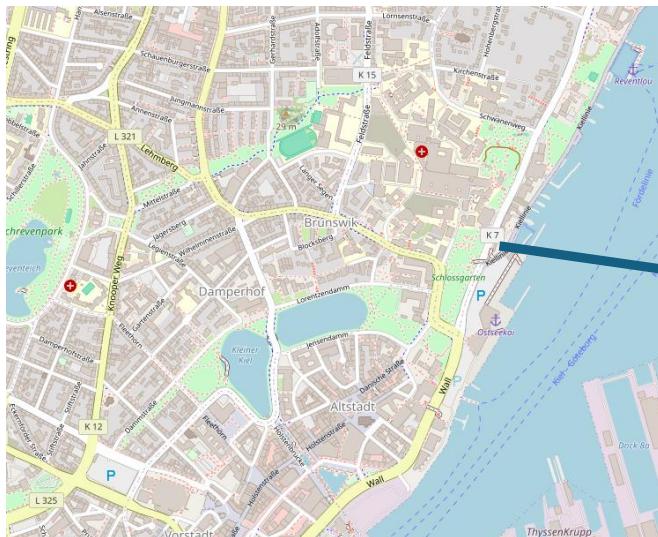


Wild Plant Pathosystems, 2024

7 – 10 July 2024, Seeburg Kiel



PROGRAMME:

Sunday, 7 July 2024

Location: Zoological Museum, Kiel

17:00: Welcome reception

Monday, 8 July

Location: Seeburg conference venue in Kiel

Theme: ECOLOGY & COMMUNITY INTERACTIONS

8:30 Anna Liisa Laine, University of Helsinki

Talk title: The role of (co)evolution in the assembly of within-host pathogen communities.

9:00 Rachel Penczykowski, Washington University in St. Louis

Talk title: Climate impacts on powdery mildew dynamics over large and small scales.

9:30 Tomas Koubek, Department of Botany, Faculty of Science, Charles University

*Talk title: Modelling the effect of anther smut pathogen on population growth rate of *Dianthus carthusianorum*.*

10:00 Coffee break

10:30 Janelle Eck, Norwegian University of Science & Technology

Talk title: Rhizosphere fungal community composition is linked to infection history in a host plant population network.

11:00 Michael Rechsteiner, University of Zürich

Talk title: Patterns of local adaptation reverse along an elevation gradient in a wild plant-pathogen system.

11:30 Nicolas Zurbuchen, University of Zurich

Talk title: Intraspecific variation in life-history traits affect consumer damage under global change

12:00 Lunch

Theme: VIRAL DISEASES

13:00 Philippe Roumagnac, CIRAD

Talk title: Ecological relationships between plant and virus communities in temperate, Mediterranean and tropical grasslands

13:30 Elisabeth Lombardi, University of New Mexico

*Talk title: Virus biogeography and temporal variation in wild *Hesperis matronalis*: current resources and future directions.*

14:00 Jasmine Star Peters, Cornell University

Talk title: Consequences of crop pathogen spillover and fire for native prairie grasses.

14:30 Coffee break

15:00 Anbu Poosakkannu, University of Turku, Finland

Talk title: Exploring the Potential Role of Wild Bats as Vectors of Plant Pathogens: Insights from Shotgun Metagenomics Analysis.

15:30 Shannon Lynch, University of California Davis

Talk title: A phylogenetic epidemiology approach to predicting the establishment of multi-host plant pests.

16:30 walk to pier

17:00 to 19:00 BOAT TRIP with MS Kiel, start at Seegarten

Tuesday, 9 July

Theme: FUNGAL POPULATIONS

8:30 Idalia Rojas, Christian Albrecht University of Kiel; Max Planck Institute of Evolutionary Biology

Talk title: Zymoseptoria passerinii a diamond in the rough for the study of septoriosis disease in wild and domesticated barley.

9:00 Jon Richards, Louisiana State University Agricultural Center

Talk title: Evolution of genome structure and effector repertoires in Cercospora species.

9:30 Åsa Lankinen, Swedish University of Agricultural Sciences

Talk title: Variation in the root microbiome across contrasting habitats and at a transplantation site in a highly plastic wild perennial.

10:00 Coffee break

10:30 Tamara Schmey, Technical University of Munich

Talk title: Small-spored Alternaria infecting wild tomatoes show genetic and chemical diversity.

11:00 Eva Tanneau, Christian Albrecht University of Kiel; Max Planck Institute of Evolutionary Biology

Talk title: Characterization of the highly abundant fungal pathogen Zymoseptoria verkleyi in the wild grass species Agrostis capillaris.

11:30 Yingying Lai, Technical University of Munich

Talk title: Inference of host-pathogen interaction matrices from genome-wide polymorphism data.

12:00 lunch

Theme: FORESTRY

13:00 Sara Leino, University of Helsinki

Talk title: Diversity and pathogenicity of culturable fungi isolated from bilberry (Vaccinium myrtillus) leaves.

13:30 Nikita Negi, Forest Research Institute, Dehradun, India

Talk title: Unveiling Novel Forest Pathogens and Expanding Fungal Records Associated with Eucalyptus Diseases in India.

14:00 Farooq Ahmad, Christian Albrecht University of Kiel

Talk title: From population genetics to biocontrol: An invasive chestnut pathogen and its hyperparasite in Northern Italy.

14:30 Coffee break

Theme: HOST RESPONSES

15:00 Laura Rose, University of Duesseldorf

Talk title: Patterns of resistance gene expression in the presence and absence of pathogens.

15:30 Chris Tominello-Ramirez, Technical University Munich & Christian Albrecht University of Kiel

Talk title: Molecular adaptations to pathogen pressure in a wild tomato system.

16:00 coffee break

16:30 POSTER SESSION

18:00 CONFERENCE DINNER at Bootshaus

Wednesday, 10 July

Theme: HOST DIVERSITY

8:30 Remco Stam, Christian Albrecht University of Kiel

Talk title: Presence-absence variation of and recombination of NLR genes in crop wild relatives.

9:00 Hanna Märkle, New York University

Talk title: NLR evolution in nature: functional versus ecological constraints.

9:30: Michael Giolai, University of Helsinki

Talk title: The evolutionary underpinning of disease dynamics.

10:00 Coffee break

Theme: HOST DIVERSITY

10:30 Mark McMullan, Earlham Institute

Talk title: Host-pathogen genomic surveillance: Using Beta maritima as a model for identifying emergent pathogens and novel resistance.

11: Hanna Susi, University of Helsinki

Talk title: Resistance variation and life-history trait correlations of multi-host pathogen Peronospora sparsa on three Rubus hosts.

11:30 Severin Einspanier, Christian Albrecht University of Kiel

Talk title: High-resolution disease phenotyping reveals distinct resistance strategies of wild tomato crop wild relatives against Sclerotinia sclerotiorum.

12:00 lunch

Theme: MICROBIOME INTERACTIONS

13:00 Eva Stukenbrock, Christian Albrecht University of Kiel; Max Planck Institute of Evolutionary Biology

Talk title: The role of microbial interactions in fungal pathogenicity.

13:30 Victor Nunez, Christian Albrecht University of Kiel

Talk title: Host specialized lineages of Zymoseptoria coexist and interact with the microbiota of wild grasses.

14:00 Abigail Gaetz, Australian National University

Talk title: Microbiome dynamics in the phyllosphere of wild and agricultural grass-rust pathosystems.

14:30 Discussion on the future of WPP and concluding remarks.

Supported by:

DFG Deutsche
Forschungsgemeinschaft



CAU Internationalisation Fund