

# Host-Microbes Genomics meeting



11 September 2020

- 10:00 Opening remarks
- 10:10 **Mapping the adaptive landscape of a major agricultural pathogen reveals evolutionary constraints across heterogeneous environments**  
Anik Dutta, ETH Zurich
- 10:30 **Rice resistance gene discovery using GWAS**  
Julian Greenwood, University of Zurich
- 10:50 **Genome wide association analysis of fungicide resistance in a Pan-European collection of *Zymoseptoria tritici***  
Guido Puccetti, University of Neuchatel
- 11:00 15' break
- 11:15 **Discovery of genes involved in the interaction between wheat and its pathogen powdery mildew**  
Zoe Bernasconi, University of Zurich
- 11:25 **Viruses from cultured endophytic fungi of grapevine**  
Augustine Jaccard, Agroscope
- 11:45 **Characterising the population and intra-host diversity of a mycovirus: CHV-1**  
Deborah Leigh, WSL
- 12:05 **Rapid adaptation of a major wheat pathogen to dynamic host and fungicide environments during a single epidemic season**  
Cecile Lorrain, ETH Zurich
- 12:15 **Role of mycovirus quasispecies dynamics in plant pathogenic fungus *Cryphonectria parasitica***  
Lucija Nuskern Karaica, University of Zagreb
- 12:35 Lunch
- 13:30 **Insights from a worldwide collection of *Zymoseptoria tritici* genomes**  
Alice Feurtey, ETH Zurich
- 13:50 **Worldwide history and diversity of wheat powdery mildew**  
Alexandros Georgios Sotiropoulos, University of Zurich
- 14:10 **Recent adaptive evolution through segmental duplications in a facultative sexual fungal pathogen**  
Luzia Stalder, University of Neuchatel
- 14:30 **Transcriptome-wide comparison of the *Fusarium graminearum* complex during wheat infection reveals key players of gene expression plasticity within the group**  
Sabina Tralamazza, University of Neuchatel
- 14:50 20' break
- 15:10 **Lifestyle transitions in the genus *Cryphonectria***  
Lea Stauber, WSL
- 15:30 **To kill or not to kill: closely related *Pseudomonas* strains isolated from arthropods show differential insecticidal activity**  
Pilar Vesga, ETH Zürich
- 15:50 **Development of SNPs genotyping method to assess the genetic diversity among *Zymoseptoria tritici* strains**  
Hadjer Bellah, University of Neuchatel
- 16:10 **De novo genes and the evolution of lineage-specific stress responses in Triticeae**  
Manuel Poretti, University of Zurich
- 16:30 Closure, apéro