

# Program Host-microbe genomics workshop

24<sup>th</sup> of September, Botanical Garden, Zollikerstrasse 107, 8008 Zürich

## Session I Diversity and Evolution

10:00	Welcome	
10:05	Lea Stauber	Emergence and diversification of a highly invasive tree pathogen lineage
10:25	Alexandros Sotriropoulos	Global diversity of <i>Blumeria graminis tritici</i>
10:45	Sandra Milena Gonzalez Sayer	Genome sequence and comparative genomics of the rubber tree pathogen <i>Pseudocercospora ule</i>
11:05	Short Break	
11:25	Rebecca Leber	Searching for Powdery Mildew Resistance in the Abandoned Pool of Natural Variety
11:35	Ursula Oggenfuss	Strong purifying selection counterbalances bursts of transposable elements in a fungal pathogen
11:55	Thomas Badet	The contribution of transposable elements to the evolution of intraspecific genomic architecture
12:15	Lunch Break	

## Session 2 Microbial interactions

13:30	Joelle Schläpfer	How plants shape the rhizosphere: physiological adaptations, exudation, and metabolite uptake
13:50	Pilar Maria Vesga Aguado	The <i>Pseudomonas protegens</i> CHAO transcriptomic profile changes between insect- and root-associated interactions.
14:10	Luzia Stadler	The functional ecology of plant microbiome interactions between <i>Pseudomonas</i> bacteria and the dominant fungal wheat pathogen <i>Zymoseptoria tritici</i>
14:20	Manuel Poretti	High-copy DNA transposons underlay the wheat small RNA response to the powdery mildew pathogen.
14:40	Alessio Bernasconi	Increased competitive ability of the fungal plant pathogen <i>Z. tritici</i>
15:00	Koffee Break	

## Session 3 Pathogenicity and resistance

15:45	Nikhil Kumar Singh	Dissecting the genetic architecture of complex pathogenicity traits in a fungal pathogen of wheat
16:05	Abraham Leen	Genome-Wide Expression Analyses to Dissect the Genetic Basis of Gene Regulation in A Major Fungal Pathogen
16:25	Markus Kolodziej	Identification and validation of a qualitative seedling stage leaf rust resistance gene in wheat
16:45	Javier Sanchez	Expanding our knowledge on the “interactome” of NLR and effectors of the wheat-powdery mildew interaction by exploiting the <i>Aegilops tauschii</i> pan-NLRome: An outline talk

17:05 Concluding Remarks and Feedback

17:15 Apéro