Zurich Host-Microbes Genomics Workshop

Thursday 17 December 2015
Botanical Garden, small lecture room - Zollikerstrasse 107, 8008 Zürich

9.00	Introduction to the workshop	
	Transcriptomics	
9.10 - 9.30	Salim Bourras, UZH	Small RNA sequencing analysis of the wheat powdery mildew interaction
9.30 - 9.40	Xin Ma, ETH/UZH	Comparative transcriptomics in the wheat-*Zymoseptoria tritici* pathosystem
9.40 - 10.00	Coraline Praz, UZH	Comparative Transcriptomics Analysis of three powdery mildew formae speciales
Coffee break		
	Comparative genomics & Genome-wide association studies	
10.30 - 10.50	Fanny Hartmann, ETH	Genome-wide association study reveals a segregating gene deletion as a major host-specific virulence factor in *Zymoseptoria tritici*
10.50 - 11.10	Melanie Schirrmann, ETH	Population genomics of *Epichloë* endophytes
11.10 - 11.30	Fabrizio Menardo, UZH	Genomics of formae speciales in *Blumeria graminis*
11.30 - 11.40	Simone Fouché, ETH	Large-scale detection of chromosomal abnormalities following meiosis in a fungal pathogen of wheat
11.40 - 12.00	Christoph Stritt, UZH	The parasites within: transposable elements and genome architecture in natural accessions of *Brachypodium distachyon*
12.00 - 12.10	Krishnan Parvathy, ETH	NGS tools to complement molecular biology techniques
12.10 - 12.30	Norfarhan Mohd Assa'ad, ETH	The genomic basis of azole resistance evolution in *Rhynchosporium commune*
Lunch at cafeteria		
	Quantitative trait mapping & Map-based cloning	
13.30 - 13.50	Renate Heinzelmann, WSL	Genome-wide SNP analysis to generate a genetic map for *Armillaria ostoyae* to be used for locating a natural mutation that severely affects mycelial growth
13.50 - 14.10	Mark Lendenmann, ETH	QTL mapping of life history traits in the wheat pathogen *Zymoseptoria tritici*
14.10 - 14.30	Anupriya Kaur Thind, UZH	Map-based cloning of wheat leaf rust gene *Lr22a*
14.30 - 14.50	Ziming Zhong, ETH	QTL mapping for virulence in *Zymoseptoria tritici*
Coffee break		
15.20 - 15.40	Kaitlin McNally, UZH	Map-based cloning in powdery mildew
15.40 - 15.50	Marion Müller, UZH	Genetic analysis of host-specialization in powdery mildew (*Blumeria graminis*)
15.50 - 16.10	Simon Krattinger, UZH	Next generation map-based cloning: novel approaches to speed up gene identification in cereals
Apéro		

Everybody is welcome to attend, but send an email to daniel.croll@usys.ethz.ch to let us know that you are coming.

Information for speakers: Please bring your slides as a PDF on a USB stick. We will provide a computer. We would appreciate if you email the PDF the evening before to daniel.croll@usys.ethz.ch to save time during the workshop.

The organizers,
Daniel Croll and Thomas Wicker