

Molecular Plant Science, Microbial Sciences and StarOmics CUSO doctoral programs http://biologie.cuso.ch



Dorigny Campus, Génopode Building, Auditorium C (registration not required)

## Monday February 5, 2018

Hernán A. Burbano - Max Planck Institute for





09:00















		Developmental Biology (Germany)
		Reinforcing plant evolutionary genomics using ancien DNA
	09:45	Philippe Pasero - Institute of Human Genetics/CNRS
		(France)
		Cellular responses to replication stress in yeast and in human cells
	10:30	Coffee Break
	11:00	Korbinian Schneeberger - Max Planck Institute for Plant
ľ		Breeding Research (Germany)
		Phylogenetic association mapping reveals the adaptive basis of between-species trait variation
J	11:45	Sara Buonomo - University of Edinburgh (UK)
		Rif1 a hub connecting nuclear architecture and replication timing
	12:30	LUNCH (sandwiches and drinks provided in Exhibition Hall)
	14:00	Magnus Nordborg - Gregor Mendel Institute for Plant
		Biology (Austria)
		Epigenetic variation in Arabidopsis
	14:45	Giacomo Cavalli – Institute of Human Genetics/CNRS
		(France)
		The role of 3D genome organization in epigenetic regulation of development

## Tuesday February 6, 2018

09:00	Romain Koszul - Institut Pasteur (France)
	Probing virus/host interactions in complex microbial communities using DNA 3D contacts
09:45	Tim van Opijnen - Boston College (USA)
	Phenotypic, metabolic and transcriptional analyses combined with topological network modeling predicts survival success of pathogenic bacteria
10:30	Coffee Break



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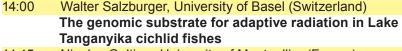
1:00	Siv Andersson - Uppsala University (Sweden)
	The evolution of intracellular membranes and the
	challenges of integrating two genomes in one cell
1:45	Sarah Schaack, Reed College (USA)



Direct genome-wide estimates of mutation rate and spectra



12:30 LUNCH (sandwiches and drinks provided in Exhibition Hall)





14:45 Nicolas Galtier - University of Montpellier (France) Comparative population genomics in animals: genetic diversity, adaptive rate, species barrier



Organizers: Vincent Dion, Julia Santiago Cuellar, Tanja Schwander, Philipp Engel and Keith Harshman