

Lausanne Genomics Days 2018

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

Monday February 5, 2018

Tuesday February 6, 2018



09:00 Hernán A. Burbano - Max Planck Institute for Developmental Biology (Germany)
Reinforcing plant evolutionary genomics using ancient 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 Breeding Research (Germany)
Phylogenetic association mapping reveals the adaptive basis of between-species trait variation

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

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*

11:00 Siv Andersson - Uppsala University (Sweden)
The evolution of intracellular membranes and the challenges of integrating two genomes in one cell

11:45 Sarah Schaack, Reed College (USA)
Direct Genome-wide Estimates of Mutation Rate and Spectra

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

14:00 Walter Salzburger, University of Basel (Switzerland)
The genomic substrate for adaptive radiation in Lake Tanganyika cichlid fishes

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

