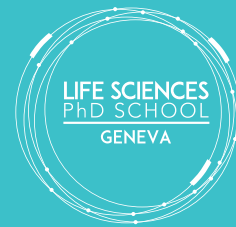


FORUM - PhD School of Life Sciences



Fondation Louis-Jeantet, Geneva

June 3rd, 2019

UNIGE & UNIL: CUS & CUSO

Organizers : Dominique Garcin, Marko Kaksonen, Dominique Soldati-Favre
Mathias Currat, Emmanouil Dermitzakis and Christian Lovis

8.30-9.00

Registration

Session 1

Genomics and Digital Health

Chairperson: Jacques Schrenzel

9.00-9.45

Lude Franke, University of Groningen

Towards personalised medicine using personalised gene regulatory networks

9.45-10.00

Ambra Sartori - *Investigating atherosclerosis progression through single-cell transcriptional profiling of immune cells of the atherosclerotic plaque*

10.00-10.15

David De Ridder - *Towards more precision in public health delivery using geospatial analytics*

10.15-10.45

Guillaume Andrey, University of Geneva

The Dynamics of 3D Chromatin Structures Modulate Transcription and Morphogenesis

Session 2

Molecular Biosciences

Chairperson: Marko Kaksonen

11.15-11.45

Suliana Manley, Swiss Federal Institute of Technology, Lausanne

Structure and dynamics, crossing scales with super-resolution microscopy

11.45-12.00

Emmanuelle Steib - *WDR90 : first step in the centriolar core*

12.00-12.15

Aurélie Hintermann - *Evolution of functional elements between Hoxd regulatory landscapes in mouse and chicken*

12.15-12.45

Marie Barberon, University of Geneva

Plasticity of root permeability for nutrient acquisition

Lunch

Session 3

Ecology and Evolution

Chairperson: Mathias Currat

14.00-14.30

Anna-Sapfo Malaspinas, University of Lausanne

Insights into early human migrations with modern and ancient genomic data

14.30-14.45

Ziyu Guan - *Multifunctionality benefits from smaller species in experimental phytoplankton assemblages*

14.45-15:00

Tommy Andriollo - *Molecular ecology of three sympatric long-eared bat species (genus Plecotus)*

15.00-15.30

Nadir Alvarez, Museum of Natural History, Geneva

Combining ecology, biogeography and genomics to understand speciation processes in insects

Session 4

Biomedical Sciences - CUS/CUSO

Chairperson: Fabienne Tacchini-Cottier

16.00-16.30

Aartjan te Velthuis, University of Cambridge

How the errors of influenza virus replication trigger innate immune responses

16.30-16.45

Marta Perez Frances - *Exploring the identity and plasticity potential of the elusive pancreatic polypeptide-producing γ -cells*

16.45-17.00

Martina Spiljar - *Metabolic homeostasis in multiple sclerosis*

17.00-17.45

Keynote lecture: Julian Rayner, Wellcome Sanger Institute, UK
Evolutionary history of human malaria

Drink reception

