

BEFRI

Genomics Day 2018

Friday June 22

**Biology Building
Auditorium O.110**



More informations:

<http://www.unifr.ch/bugfri/home/befri>

Faculté des Sciences et de Médecine
Mathematische-Naturwissenschaftliche und Medizinische Fakultät

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9:15 Welcome address

9:20 **Dr. Laurent Mène-Safrané, UniFr**

«Mapping multiple mutations directly from Arabidopsis unbackcrossed mutants»

9:50 **Selected PhD student presentations**

« **Jennifer Kaldun, UniFr**: Generation of conditional knockout mutants of the *Drosophila melanogaster* Dopamine receptors»

« **Carlos Pulido Quetglas, UniBe**: Scalable Design of Paired CRISPR Guide RNAs for Genomic Deletion»

« **Marco Galimberti, UniFr**: Detecting divergent and balancing selection from linked sites »

10:20 coffee break

10:50 **Prof. David Gfeller, UniL**

«Single-cell transcriptome analysis reveals a heterogeneous and dynamic landscape of tumor infiltrating CD8 T cells»

11:20 **Dr. Jenna Kelly, UniBe**

«Single Cell Characterization of Host-Virus Interactions Within the Respiratory Epithelium»

11:50 **Dr. Rudi Schläfli, Sales Executive Switzerland/Austria**

«The 10x Genomics Chromium™ System: Biology in HD»

12:05 **Dr. Deborah Moine, PacBio & Witec AG**

« Introduction to SMRT Sequencing for bacterial genomes assembly and isoform sequence (Iso-Seq®) analysis »

12:20 Lunch break (StarOmics students can eat with the speakers)

13:30 **Dr. Laurent Poirel, UniFr**

«Prospective screening of acquired resistance to polymyxin antibiotics in *Escherichia coli* in the human population; identification of resistance mechanisms by use of next-generation sequencing»

14:00 **Prof. Peter Redder, Toulouse, F**

«Transcriptome-wide mapping of ribonuclease cleavage sites and impacts on RNA degradation»

14:30 coffee break

15:00 **Prof. Tosso Leeb, UniBe & Dr. Irene Keller, UniBe**

«NGS and Bioinformatics resources in Bern»

15:30 **Dr. Laurent Falquet, UniFr**

«The Bioinformatics core facility at UniFr»

16:00 Farewell

Registration is free, but to help us organise the event, please register by clicking on the orange link at the top here: <https://www.cuso.ch/activity/?p=1741&uid=4075>