

GDC Symposium

11 September 2019

ETH Zürich Zentrum, LEE Building E 101

- 10.00-10.05 Bruce McDonald (ETH Zürich)**
Welcome
- 10.05-10.25 Camille Pitteloud (ETH Zürich)**
The structure of trophic networks along elevation
- 10.25-10.45 Zala Schmutz (ETH/ZHAW)**
Microbial communities in aquaponic systems
- 10.45-11.05 Michael Baumgartner (ETH Zürich)**
Resident microbial communities inhibit growth and antibiotic resistance evolution of *Escherichia coli* in human gut microbiome samples
- 11.05-11.25 Pierre Hohmann (FIBL)**
The fungal root microbiome of pea exposed to root rot pathogens

Lunch Break

- 13.00-13.20 Junzhou Wu (ETH Zürich)**
Nucleotide-resolution genome-wide mapping of oxidative DNA damage
- 13.20-13.40 Hirzi Luqman (ETH Zürich)**
Phylogeography and population genetics based on low-coverage whole genome data
- 13.40-14.00 Miguel Loera (ETH Zürich/Agroscope)**
Towards a high-throughput method to measure genetic diversity in grassland
- 14.00-14.20 Elvira Mächler (Eawag)**
Assessing different components of biodiversity across a river network using eDNA

Coffee Break

- 15.00-15.20 Hannah Kleyer (ETH Zürich)**
Soil hydration state and interspecies interactions determine bacterial community composition across a wide range of initial inoculation ratios
- 15.20-15.40 Carolina Cornejo (WSL)**
Viral genome sequencing of native RNA and amplified cDNA using Oxford Nanopore Technologies
- 15.40-16.00 Elena Gardini (University Zürich)**
Application of Next Generation Sequencing in psychology: DNA methylation from early life adversities to depression
- 16.00-16.20 Frida Feijen (Eawag)**
Coinfections in *P. antipodarum*: how to determine parasite prevalence in a natural population through genotyping, when counting infected snails in a random sample does not work
- 16.20-16.30 Bruce McDonald (ETH Zürich)**
Closing remarks

Apéro

10 Years

GDC

Genetic Diversity Centre
Zurich