

GDC Symposium

11 September 2018

ETH Zürich Zentrum, LEE Building E 101

10.00-10.05 **Bruce McDonald (ETH Zürich)**

Welcome

10.05-10.25 **Julien Massoni (ETH Zürich)**

Dynamics, structure, and evolution of phyllosphere microbiomes - from plant organ to ecosystem

10.25-10.45 **Cresten Mansfeldt (Eawag)**

The influence of the microbial residence time on the taxonomic and functional composition of microbial communities

10.45-11.05 **Annelies Geirnaert (ETH Zürich)**

Ex vivo modified mouse gut microbiota as mechanistic tool to study gut microbiota and host-microbe interactions

11.05-11.25 **Ziming Zhong (ETH Zürich)**

QTL mapping for the stress response of *Zymoseptoria tritici*

Lunch Break

13.30-13.50 **Daniela Csencsics (WSL)**

Practitioners and molecular ecologists work together to implement measures for the conservation of the Alcon blue (*Phengaris alcon*)

13.50-14.10 **Heidi Käch (Eawag)**

Aphis fabae pays for protection against parasitoids – how?

14.10-14.30 **Jessica Stapley (ETH Zürich)**

How does environmental stress influence genetic mutations, methylation and gene expression in *Arabidopsis thaliana*

14.30-14.50 **Philine Feulner (Eawag)**

Genomics of the whitefish adaptive radiation in Swiss lakes

Coffee Break

15.30-15.50 **Simon Crameri (ETH Zürich)**

Cryptic species diversity in rosewoods (*Dalbergia* spp., Fabaceae) revealed by anchored phylogenomics

15.50-16.10 **Silvia Gutnik (University of Basel)**

Tracing the origins - multiplexed large amplicon sequencing using the MiniON platform to generate a haplotype map of an invasive species

16.10-16.30 **Lucy Poveda (FgcZ)**

Applications of optical mapping with the Bionanogenomics platform

16.30-16.35 **Bruce McDonald (ETH Zürich)**

Closing remarks

Apéro