

GDC Symposium

5 September 2017

ETH Zürich Zentrum, CAB Building G 61



10.00-10.05 Alex Widmer (ETH Zürich)

Welcome

10.05-10.25 Caitlin Proctor (Eawag)

The bacteria you share your shower with

10.25-10.45 Francesca Dennert (ETH Zürich)

Using amplicon sequencing to elucidate the interactions between plant beneficial *Pseudomonas* spp. and plant pathogenic fungi in agricultural soils

10.45-11.05 Michael Simmler (ETH Zürich)

Prokaryotic diversity in a mining-affected floodplain exhibiting extreme contamination gradients

11.05-11.25 Daniela Paganini (ETH Zürich)

Effect of a new micronutrient powder with a low dose iron and prebiotic GOS on the gut microbiome: a randomized controlled study in Kenyan infants

Lunch Break

13.30-13.50 Stuart Dennis (Eawag)

A hybrid approach to genome assembly: Improving the *Daphnia galeata* genome using Oxford Nanopore's Minlon and Illumina sequencing technologies

13.50-14.10 Tetyana Tsykun (WSL)

Long-range PCR in NGS of the mitochondrial genome of the Asian long-horned beetle, *Anoplophora glabripennis*

14.10-14.30 Mike Ruckley (ETH Zürich)

A discovery pipeline for identifying rare and mutagenized alleles in targeted genes of heterogeneous genetic populations using haplotype sequencing

14.30-14.50 Joana Meier (Eawag)

Hybridization facilitates rapid adaptive radiation of cichlid fishes

Coffee Break

15.30-15.50 Christoph Sperisen (WSL)

Analysis of ancient DNA from subfossil tree remains: prospects to decipher past population processes

15.50-16.10 Aude Rogivue (WSL)

Environmental factors driving local adaptation in the Alpine Brassicaceae *Arabis alpina*

16.10-16.30 Livia Gerber (University of Zürich)

Single nucleotide polymorphisms outperform microsatellites in pairwise relatedness estimation

16.30-16.35 Jukka Jokela (Eawag/ETH Zürich)

Closing remarks

Apéro