

GDC Symposium

Tuesday, 10 September 2024

ETH Zürich Zentrum, LEE Building E 101

- 10.00-10.05 Bruce McDonald (ETH Zürich)**
Welcome
- 10.05-10.25 Cécile Lorrain (ETH Zürich)**
Exploring the genomic landscape of rapid adaptation in a major wheat pathogen
- 10.25-10.45 Daniel Ariza Suarez (ETH Zürich)**
Increasing genetic gain through simulation-based optimization of plant breeding schemes
- 10.45-11.05 David Schnettler Fernández (ETH Zürich)**
How does temperature adaptation influence the evolvability of proteins?
- 11.05-11.25 Kristy Deiner (ETH Zürich)**
From research to commercialisation, the journey of environmental DNA at the GDC

Lunch Break

- 13.00-13.20 Manuela Bizzozzero (University of Zurich)**
Combining remotely sensed data with environmental DNA to elucidate the behavioural ecology of Indo-pacific bottlenose dolphins (*Tursiops aduncus*)
- 13.20-13.40 Kilian Perrelet (Eawag)**
Aquatic and terrestrial environmental DNA signals reveal decoupling of blue-green linkages in urban ecosystems
- 13.40-14.00 Markus Schlegel (WSL)**
Experiences and challenges with airborne monitoring of fungi
- 14.00-14.20 Ellika Faust (Eawag)**
Population genomics for the conservation of biodiversity

Coffee Break

- 15.00-15.20 Lucia Piro (ETH Zürich)**
The role of carbohydrates in the stomatal immunity
- 15.20-15.40 Benjamin Daniel (ETH Zürich)**
Development of the WISH-tags, a universal genomic barcode for qPCR and Amplicon sequencing
- 15.40-16.00 Roman Li (Eawag)**
Using the Fluidigm to screen for biomarkers of reproductive toxicity in fish
- 16.00-16.20 Jana Mittelstrass (WSL)**
Potential and challenges of Nanopore sequencing as tool for molecular diagnostics in forest pathology
- 16.20-16.30 Bruce McDonald (ETH Zürich)**
Closing remarks

Apéro

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