



Next Generation Biodiversity Monitoring Symposium

University of Cyprus
11th-13th of November 2019

Day 1

Monday 11th of November
Library "Stelios Ioannou", Room LRC 012

Introduction to the Symposium

- 9:00-9:10 Dr. Anna Papadopoulou
University of Cyprus, Cyprus
Introduction to the iBioGen project
- 9:10-9:30 Dr. Brent Emerson
IPNA-CSIC, Spain
Introduction to the Next Generation Biodiversity Monitoring Symposium

Defining the Genomic Observatory concept in the era of High Throughput Sequencing

- 9:30-9:50 Prof. Douglas Yu
University of East Anglia, UK
Shallow and wide sampling instead of narrow and deep: the CEOBE approach
- 9:50-10:10 Dr. Lucie Zinger
Institut de Biologie de l'ENS, France
DNA metabarcoding and trans-kingdom biodiversity assessments: current state and prospects

10:10-10:30 Prof. Simon Creer
Bangor University, UK
*Advancing biodiversity knowledge using
community and environmental DNA from diverse
biomes*

10:30-11:00 Coffee break

Genomic Observatories and current initiatives for biodiversity surveying and monitoring

11:00-11:20 Dr. Jeremy deWaard
iBOL, University of Guelph, Canada
*Malaise traps, DNA barcodes, and genomic
observatories*

11:20-11:40 Dr. Vasco Elbrecht
Zoological Research Museum Alexander Koenig,
Germany
*DNA-based aquatic biomonitoring - where are we,
what's next? A perspective derived from
DNAqua-Net COST Action*

11:40-12:00 Prof. Vojtech Novotny
Czech Academy of Science, Czech Republic
*Biodiversity sampling at Genomic Observatories: a
field ecologist's perspective*

12:00-12:20 Prof. Fredrik Ronquist
Swedish Museum of Natural History, Sweden
Insect Biodiversity Inventorying in Sweden

12:20-12:40 Dr. Kristine Bohmann
University of Copenhagen, Denmark
*Molecular biodiversity assessment of
environmental and community samples using
metabarcoding and comprehensive DNA reference
databases*

12:40-14:00 Lunch break

Core data and measures from Genomic Observatories

14:00-14:20 Dr. Henrik Krehenwinkel
Trier University, Germany
*Exploring arthropod community assembly in time
and space by metabarcoding along the Hawaiian
Island chronosequence*

- 14:20-14:40 Dr. Carmelo Andújar
IPNA-CSIC, Spain
The study of soil arthropod biodiversity using COI metabarcoding
- 14:40-15:00 Dr. Éric Coissac
University Grenoble-Alpes, France
Genome skimming, a solution for establishing a marker-independent reference database
- 15:00-15:20 Prof. Francesco Ficetola
Università degli Studi di Milano, Italy
Environmental DNA for the monitoring of community dynamics and ecosystem functioning after the retreat of glaciers

15:20-15:50

Coffee break

Linking Genomic Observatory data and synthesis of biodiversity patterns

- 15:50-16:10 Prof. Martin Bidartondo
Imperial College London & Kew Gardens, UK
Large-scale mycorrhizal assessment
- 16:10-16:30 Dr. Marta Goberna
Spanish National Institute for Agronomic Research, Spain
Exploring phylogenetic and functional diversity of terrestrial prokaryotes
- 16:30-16:50 Dr. H el ene Morlon
IBENS-CNRS, France
Assessing the drivers of biodiversity patterns from site-based environmental DNA data
- 16:50-17:10 Prof. Alfried P. Vogler
Imperial College London & Natural History Museum, UK
Linking site-based studies of insects globally via phylogenetics

17:10-17:30

General discussion



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