



MOBeDNA: Monitoring Biodiversity using eDNA



2nd – 3rd Of October 2019

**Auditorium, 1st floor
Marine and Freshwater Research Institute
Skúlagata 4, 101 Reykjavík**

Wednesday, 2 of October 2019.

8.30-9.10 Registration

9.10-9.20 Welcoming words by Davíð Gíslason

CHAIRMAN: Davíð Gíslason

9.20-10.05 Robert Hanner

**Biodiversity Genomics & Environmental DNA: Applications and Advances for
Biomonitoring**

10.05-10.35 COFFEE BREAK

10.35-11.20 Einar Eg Nilsen

**From samplers to ecogenomic sensors: Use of automated methods and instruments for
aquatic eDNA assessment**

11.20-12.05 Ian Salter

Application of eDNA surveys to fisheries: Recent advances and future directions



12.05-12.20 Chris Pampoulie

eCAP: Tracing capelin with environmental DNA (eDNA)

12.20-12.35 Owen S. Wangensteen

Marine eukaryotic biodiversity from COI metabarcoding of eDNA samples: new insights and knowledge gaps

12.35-13.30 LUNCH BREAK

CHAIRMAN: Chris Pampoulie

13.30-14.15 Stefano Mariani

Natural Sampler DNA

14.15-14.30 Pauline Urban

A molecular approach to study diet of *Pandalus borealis*

14.30-14.45 Marine Cusa

A net with no holes: using environmental DNA to revolutionise the assessment of marine pelagic communities

14.45-15.15 COFFEE BREAK

15.15-16.00 Sissel Jentoft

Taking eDNA monitoring to the next level: Using unique genomic signatures for biodiversity and population structure assessments

16.00-16.15 Mariani Stefano

Environmental DNA exploration of Antarctic pelagic ecosystems: from species inventories to trophic webs

16.15-17.00 Open discussion



Thursday, 3 of October 2019.

CHAIRMAN: Sæmundur Sveinsson

9.10-9.55 Kim Præbel

Marine environmental DNA in the Anthropocene – Applications in the Arctic and sub-Arctic

9.55-10.10 Ian Salter

eDNA in preserved sediment trap samples: An observational approach to link climate variability, plankton diversity and marine ecosystem services in the Arctic

10.10-10.25 Pauline Urban

iDNA - how to use a scavenger as a management tool

10:25-10.55 COFFEE BREAK

10.55-11.10 Mia Cerfonteyn

Mapping marine phytoplankton in Iceland through environmental DNA metabarcoding

11.10-11.25 Clara Jegousse

Metagenomics of microbes in Icelandic marine waters

11.25-11.40 Ragnhildur Guðmundsdóttir

Microorganisms in groundwater spring sources in Iceland

11.40-12.30 Discussion and closing