



## **MOBeDNA: Monitoring Biodiversity using eDNA**



**2<sup>nd</sup> – 3<sup>rd</sup> Of October 2019**

**Auditorium, 1<sup>st</sup> floor  
Marine and Freshwater Research Institute  
Skúlagata 4, 101 Reykjavík**

---

### **Tuesday, 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**



**12.00-12.15** Chris Pampoulie

**eCAP: Tracing capelin with environmental DNA (eDNA)**

**12.15-12.30** Owen S. Wangensteen

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

**12.30-13.30** 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***

**15.15-15.45** COFFEE BREAK

**15.45-16.30** Sissel Jentoft

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

**16.30-16.45** Marine Cusa

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

**16.30-16.45** Mariani Stefano

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

**16.45-17.00** Open discussion

---

**Wednesday, 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**

**9:55-10.25** COFFEE BREAK

**10.25-10.40** Mia Cerfonteyn

**Mapping marine phytoplankton in Iceland through environmental DNA metabarcoding**

**10.40-10.55** Clara Jegousse

**Metagenomics of microbes in Icelandic marine waters**

**10.55-11.10** Ragnhildur Guðmundsdóttir

**Microorganisms in groundwater spring sources in Iceland**

**11.10-12.30** Discussion and closing