

Final Programme

Tuesday 05 December 2017

09:00 - Registration

09:40 - Welcome, Introductions, Developments since 2016

10:15 - *Existing Applications*

10:15 P1: Targeting The Invader - **Rosetta Blackman**, *University of Hull, UK*

10:30 P2: Standardising DNA Monitoring Methods For Regulatory Use - **Kat Bruce**, *NatureMetrics, UK*

10:45 P3: Landscape Scale Analysis of Lakefish Biodiversity Based on Verified eDNA Analysis in 40 Interconnected Swedish Lakes - **Johan Spens**, *AquaBiota Solutions, Sweden*

11:00 P4: *Use Of Environmental DNA (Envdna) For Fish Biodiversity Assessment In Brazilian Rivers* - **Naiara Guimaraes-Sales**, *University of Salford, UK*

11:15 – Coffee/Tea

11:45 P5: Searching For A Signal: Can Environmental DNA (Edna) Be Used For The Early Detection Of *Pacifastacus Leniusculus* In Scotland? - **Kirsten Harper**, *National Oceanic and Atmospheric Administration, USA*

12:00 P6: Development of Environmental DNA (eDNA) Surveillance for Threatened Crucian Carp (*Carassius Carassius*) - **Lynsey Harper**, *University of Hull, UK*

12:15 P7: Detecting Marine Invasive Species In Marinas And Harbours; Developing Methods For The eDNA Toolbox - **Luke Holman**, *University of Southampton, UK*

12:30 P8: Development Of An eDNA Method For Monitoring Lake Fish Communities: Data Collection And Ground-Truthing In Wales - **Jianlong Li**, *University of Hull, UK*

12:45 P9: Monitoring Of Marine Invasive Non-Native Species Using eDNA Approach - **Iveta Matejusova**, *Marine Scotland Science, UK*

13:00 P10 Metagenomic Analysis Of Macroinvertebrates Along The Llobregat River (NE-Iberian Peninsula) And Its Use For Biomonitoring - **Cesc Múrria**, *University of Barcelona, Spain*

13:15 - Networking & Lunch + Posters

14:30 – *Challenges & Opportunities*

14:30 P11: How Far Can We Get: Detection And Quantification Limits Of Fish Species In Space And Time - **Rein Brys**, *Research Institute for Nature and Forest (INBO), Belgium*

14:45 P12: eDNA And DNA Metabarcoding In Fungal Conservation - **Gareth Griffith**, *Aberystwyth University, UK*

15:00 P13: Do Indexed Primers Induce Template Specific Bias In Metabarcoding Studies? - **Bernd Hänfling**, *University of Hull, UK*

15:15 P14: What Do rbcL Reads Actually Mean? A Case Study Based On Benthic Diatoms - **Martyn Kelly**, *Bowburn Consultancy, UK*

15:30 P15: Using Environmental DNA To Understand Diversity In Spatially Explicit River Networks - **Elvira Mächler**, *Eawag: Swiss Federal Institute of Aquatic Science and Technology, Switzerland*

16:00 – Coffee/Tea

16:30 P16: Towards A Universal DNA Toolkit: A Modular DNA Extraction Method Suitable For Multiple Environmental Sample Types - **Graham Sellers**, *University of Hull, UK*

16:45 P17: Detecting Freshwater Diversity Across Environmental Gradients Using eDNA Sourced From Water And Biofilm - **Matthew Seymour**, *Bangor University, UK*

17:00 P18: The Development and Use of an eDNA Methodology for the Endangered White-Clawed Crayfish (*Austropotamobius pallipes*) in the UK - **Chris Roth**, *University of Derby, UK*

17:15 P19: Designing Metabarcoding Primers For Fish Biodiversity Assessment: A Multi-Marker Comparative Study - **Owen Wangensteen**, *University of Salford, UK*

17:30 – Break-out

18:00 - Close

19:00 – 21:00 - Working Group Dinner/Social - The Castlefield Rooms, 20 Castle Street, Manchester M3 4LZ

Wednesday 06 December 2017

09:00 - Registration

09:30 – *Frontiers*

09:30 P20: Untangling Molecular Foodwebs To Investigate The Impacts Of Dikerogammarus Villosus On Freshwater Communities In The UK - **Marco Benucci**, *University of Hull, Hull*

09:45 P21: Proficiency Testing – Facilitating The Deployment Of eDNA Methods - **Neil Boonham**, *Fera, UK*

10:00 P22: DNA Metabarcoding Applied In Modern And Past Eukaryotic Communities Of A High Mountain Peat Bog System (Central Pyrenees) - **Sandra Garcés-Pastor**, *University of Barcelona, Spain*

10:15 P23: Fish Species Distribution Based on eDNA Above and Below a Hydropower Dam. Possible Effects of a Future Fish Passage - **Micaela Hellstrom**, *AquaBiota Solutions, Stockholm, Sweden*

10:30 P24: Spatial And Disturbance Related Variation In Below-Ground Microbial Communities In Old World Tropical Rainforests - **Joe Taylor**, *University of Salford, UK*

10:45 P25: Detecting Low Quantities Of eDNA From Fish In Alpine Rivers - **Bettina Thalinger**, *University of Innsbruck, Austria*

11:00 – Coffee/Tea

11:30 P26: Developing And Testing Of Procedures For Barcoding And Metabarcoding Of Pollination Webs - **Alfried Vogler**, *Imperial College London, UK*

11:45 P27: Tag Bias, Edna Quantification, And Pollen Metagenomics - **Douglas Yu**, *University of East Anglia, UK*

12:00 – Break-out discussions (identification of questions to #UKDNAWG)

13:00 - Networking & Lunch + Posters

14:30 - Question & Answer Panel

16:00 - Close