Molecular Ecology and Fisheries Genetics Laboratory

http://mefgl.bangor.ac.uk/

3.0 year, EU Horizon 2020-funded PhD Studentship (2018-2021)

Defining Management Units in Commercial Fish Species

Supervisors and collaborators: Gary R Carvalho (Bangor, UK); Alex Papadopulos (Bangor, UK); Einar Nielsen (DTU-Aqua, Denmark); Jann Martinsohn (JRC, European Commission), Ernesto Jardim (JRC, European Commission)

The Molecular Ecology & Fisheries Genetics Laboratory (MEFGL), School of Life Sciences, is currently advertising an exciting multi-disciplinary PhD opportunity hosted at Bangor University (http://mefgl.bangor.ac.uk/) to commence in September 2018. The PhD is part of a recently-funded 25-partner EU H2020 project, PARadigm for New Dynamic Ocean Resource Assessments and exploitation (PANDORA). The Bangor-based student will collaborate directly with PANDORA colleagues at the JRC, European Commission in Italy, and DTU-Aqua, Denmark with two main goals: 1) to explore the biological and economic consequences of the typical mismatches between selected fisheries biological stocks and management units; 2) to generate new knowledge for improved stock assessment of new mesopelagic fisheries

Training: The project offers opportunities for the student to gain knowledge of, and experience in, Fisheries Science; Conservation and Management of Exploited species; Genomics; Bioinformatics; Evolutionary Biology & Population Genetics; Advanced statistical analysis and meta-analysis; Environmental Risk Assessment and Science Communication.

Where is Bangor?

Bangor is located in North West Wales, UK, situated in an area of outstanding natural beauty between Snowdonia National Park and the sea (http://www.bangor.ac.uk/bangortv/bangorandthearea.php), providing an opportunity for an affordable and high standard of living amongst a spectacular natural environment.

Application requirements: Essential skills are a minimum 2:1 BSc (or equivalent in Life Sciences), with good quantitative/numerate skills, statistical analysis and programming, a strong enthusiasm for biodiversity and sustainability science. Desirable skills are experience of population genetics and/or bioinformatics, with a desire integrate such data into sustainable management and conservation biology. PLEASE NOTE THAT THE STUDENTSHIP IS RESTRICTED TO UK/EU NATIONALS.

Closing date for applications: 31 June 2018 with interviews to take place on Tuesday 17 2018. For informal enquiries and further details, please contact Professor Gary Carvalho, g.r.carvalho@bangor.ac.uk.