



## 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 Papadopoulos (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](mailto:g.r.carvalho@bangor.ac.uk).