HYDRO NATION SCHOLARS PROGRAMME

THE PROGRAMME 2018

The Hydro Nation Scholars Programme is part of the Scottish Government's Hydro Nation strategy. The objective of the strategy is to develop the economic, environmental and social value of Scotland's water resources. The Hydro Nation Scholars play an important role in supporting this by:

- developing understanding of how and where best to develop the value of Scotland's water resources
- focusing on enhancing Scottish capacity in areas of existing research excellence
- providing new research and insights where there are gaps related to water resources in Scotland.

The Programme and the associated graduate school is managed on behalf of the Scottish Government by Scotland's Centre of Expertise for Waters (CREW), drawing on its Scotland-wide water policy, industry, and academic network.

The Hydro Nation Scholars Programme is an open competition for PhD Scholars to undertake approved projects, hosted within Scottish Universities and Research Institutes.

Full funding is available from the Scottish Government (to host institutions via the Scottish Funding Council). The funding available will be in line with the Research Councils UK (http://www.rcuk.ac.uk/) doctoral stipend levels and indicative fees. Currently these are:

- National Minimum Doctoral Stipend for 2017/18 is £14,553
- Research Councils UK Indicative Fee Level for 2016/17 is £4,195
- Overseas Indicative Fee Level is £18,400

Supervisors will be allocated £2,500 per annum for Travel and Subsistence and all fees and stipend will be covered. Scholars will be funded for 4 years.

Scholars will benefit from specialised programmes provided under the auspices of the Hydro Nation Graduate School.

APPLICATIONS

The following projects are now available for applications:

- **The Role of Scotland's Inland Waters in Promoting the Blue-Health of Rural Communities** – *Dr David Oliver, University of Stirling and Prof. Nick Hanley, University of Glasgow*

- **Determining the Effect of Urbanisation on the Prevalence of Antimicrobial Resistance in Aquatic Environments** – *Dr Charles Knapp, University of Strathclyde and Dr Lisa Avery, The James Hutton Institute*

- **The Scottish Water Landscape and its Resilience to Change: An Assessment to Support Future Policy** – *Dr. Rachel Helliwell, the James Hutton Institute and Dr Marc J Metzger*

- **The Multiple Benefits of Low-Cost, Decentralized Solutions for Water Treatment and Supply in Rural India** – *Dr Laurence Carvalho, University of Edinburgh and Dr Rowan Ellis, The James Hutton Institute*

- **Nutrient and Precious Metal Recovery from Wastewater Systems** – *Dr Christine Switzer, University of Strathclyde and Prof. Vernon Phoenix, University of Strathclyde*

- **Optimising Microbial Communities for Removal of Priority Chemicals from Water** – *Dr Andrew Free, University of Edinburgh and Dr Eulyn Pagaling, The James Hutton Institute*

- **Using Ragworms and Chitosan to Bioremediate Aquaculture and Freshwater Treatment Waste for the Recovery of Clean Water and Biomass Fishfeed and Fishmeal** – *Dr A Semiao, University of Edinburgh and Dr A Hughes, Scottish Association for Marine Science*

- **Development of Inexpensive, Fast and Manifold Assays for the Quantification of Micro-Pollutants** – *Dr Caroline Gauchotte-Lindsay, University of Glasgow and Dr Zulin Zhang, the James Hutton Institute*

- **Water Purification in Rural India Using Sunlight and Low-Cost Materials** – *Prof. Neil Robertson – University of Edinburgh and Dr Efthalia Chatzisymeon*

Summary Timetable for Recruitment for 2018

Stage	Deadline
Deadline for Scholar Applications	5th January 2018
PhD Scholar Interviews	6th / 7th February 2018
Final Decisions on PhD Scholars	End February 2018

For more information on these projects and for instructions on how to apply please visit:
https://www.findaphd.com/ or http://www.hydronationscholars.scot/apply.html