



Marie Skłodowska-Curie
Actions



**Maynooth
University**
National University
of Ireland Maynooth

*Department of Biology,
Maynooth University,
www.maynoothuniversity.ie*

Department of Biology is looking to host an experienced researcher via funding through Marie Skłodowska-Curie Individual Fellowships. In order to secure funding, the experienced researcher must develop a proposal with the host for the September 12th 2018 deadline.

Company Description

Maynooth University is one of the four constituent universities of the National University of Ireland and in 2017 was placed in the global top 50 universities under 50 years old in the Times Higher Education World University Rankings. It is located in the University town of Maynooth, 25km from the centre of Dublin, Ireland's capital city.

The Department of Biology has a full-time academic staff of 18. It has a strong tradition in PhD education and currently directs a number of structured PhD programmes. The Department of Biology has a strong international reputation in research and has prioritised microbiology as one of the research themes for strategic development and investment.

Project idea and researcher opportunities

Research Field: Life Sciences LIF

Analysis of the animal gut antibiotic resistome and microbiome dynamics under stress using an *in vivo* model. The techniques will include analysis of the antibiotic resistome and microbiome via plasmidomics, culture and metagenomics. Dr Walsh has established methods in high throughput plasmid sequencing and data analysis pipelines from complex samples such as animal faeces and water. Secondment to our research partners across the EU and Switzerland are possible.

Researcher Requirements

The researcher must fulfil the MSCA-IF mobility and experienced researcher requirements.¹ The researcher will require an understanding of antimicrobial resistance and bacteriology. In addition, skills in next generation sequencing are desirable but not obligatory.

Contact information

If you are interested in applying for a MSCA-IF with Department of Biology, Maynooth University please contact Dr Fiona Walsh, Fiona.walsh@mu.ie Tel: +353 1474 7246. Orcid: <https://orcid.org/0000-0003-0789-1689>

¹ **MSCA-IF mobility:** The researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of the beneficiary for more than 12 months in the 3 years immediately before the call September 12th deadline (flexible 36 months in the 5 previous years if eligible for career restart or reintegration fellowship <https://www.iaa.ie/irish-marie-curie-office/funding-calls/individual-fellowships/>)

Experienced researcher requirements: The researcher must have at least 4-years full time research experience or hold a doctorate before the September 12th deadline.