

## PhD in Virology

APC Microbiome Institute, University College Cork, Ireland

**Project Title: Phage immunity: A potential modifier of the microbiome in health and in inflammatory disease.**

The APC Microbiome Institute (<http://www.ucc.ie/apc/content/about/index.html>) was formed with funding from Science Foundation Ireland and in conjunction with key industry partners.

The specific **APC-MI funded** PhD position advertised here is to be located at UCC. The position is open to candidates who meet residency requirements in Ireland or the EU. The studentship comprises an annual stipend for three years, in addition to fees at the EU level (approximately €6,000 per year). The current stipend is €18,000 per annum. Project is funded for 36 months with a start date of October 2016. The language of the laboratory is English.

### PhD position

The student will be registered in the Department of Medicine, University College Cork, Ireland. The student will be primarily based in the Department of Medicine, although the student may need to conduct some of his/her research in other laboratories at various stages of the studentship.

### Unique reference number: APA-1

Applications (as a single PDF) should include a covering letter, a detailed CV and the names and contacts of THREE referees and should be sent by email as indicated below, quoting the Unique reference no. **APA-1**. Applications will be accepted until 30<sup>th</sup> June 2016 5pm GMT.

Applications and informal queries, **by email only**, to the Principal Investigator for this project, **Dr. Liam Fanning** at [Antiphage.PhD@ucc.ie](mailto:Antiphage.PhD@ucc.ie). Please cite the unique position reference only in the subject of all emails related to this PhD.

Specifically the project will address the following knowledge gaps:

- Determine the prevalence of anti-phage antibodies in healthy controls and individuals with inflammatory disease
- Identify the spectrum of phage targeted by anti-phage antibodies
- Explore whether anti-phage activity, in particular as it relates to antibodies and antigen presentation, modulates the composition of the microbiome in health and disease
- The contribution of host derived anti-phage activity to inflammatory disease processes.

**Principal Investigator Team lead by Dr. Liam Fanning**, Fergus Shanahan (UCC), Paul Ross (UCC), Colin Hill (UCC)

### Criteria

- MSc in Virology or Immunology
- Knowledge of bioinformatics would be an advantage

Further details at:

[http://apc.ucc.ie/wp-content/uploads/2015/06/PhD\\_anti-phage-activity\\_advertisement.pdf](http://apc.ucc.ie/wp-content/uploads/2015/06/PhD_anti-phage-activity_advertisement.pdf)