



School of
Microbiology
Scoil na
Micribhitheolaíochta



Interfacing Food & Medicine

We are currently seeking applications for two post-doctoral positions relating to the functional and comparative genome analysis of lactic acid bacteria and bifidobacteria. The existing research team comprises a large, dynamic and high-achieving group of post-doctoral researchers, PhD students and research assistants, and is embedded within the School of Microbiology and APC Microbiome Ireland with associated state-of-the-art equipment and infrastructure. Details of the two available positions are presented below.

1. Post-doctoral researcher (2-year contract) ***Bifidobacterial genomics and bioinformatics***

The ideal candidate for this post, which will be specifically associated with the BioIT platform of APC Microbiome Ireland, will have a under- and/or postgraduate degree in bioinformatics and/or possess a PhD degree with extensive bioinformatics skills pertaining to ‘omics’ data, such as comparative genomics, metagenomics, transcriptomics and/or metabolomics, ideally in the context of gut microbiota or other complex microbial consortia. Relevant bioinformatics experience, and associated expertise and skills should be supported by a corresponding publication track record in peer-reviewed scientific journals and/or be demonstrated through other means of knowledge transfer.

Applications for this position (Job ID: 044911) can be made through the following link: https://my.corehr.com/pls/uccrecruit/erq_search_package.search_form?p_company=5023&p_internal_external=E

2. Post-doctoral researcher (18 month contract) ***BacTrans: Natural DNA transfer systems for bacterial starter cultures***

BacTrans is an industry-partnered project that aims to identify and exploit natural DNA transfer systems including, but not limited to, conjugation and phage-mediated transduction. The objective of this study is to develop novel and technologically robust strains of *Lactococcus lactis* and *Streptococcus thermophilus*, particularly with respect to phage-resistance, for commercial use as so-called starter cultures in the dairy and fermented (functional) food industries. The project will involve identification and molecular characterisation of phage-resistance and DNA transfer systems. Applicants should ideally possess a MSc and PhD degree in biochemistry, genetics, biotechnology, (molecular) microbiology or related discipline, and have a corresponding publication track-record. The post-doctoral researcher is expected to be directly involved in the research activities of the BacTrans project including execution of individual project goals and guidance of PhD students to ensure the timely execution of the project goals, while also contributing the communication of the research findings emanating from the research. Experience, expertise and skills should ideally be supported by a corresponding publication track record or other means of knowledge transfer.

Applications for this position (Job ID: 044371) can be made through the following link: https://my.corehr.com/pls/uccrecruit/erq_search_package.search_form?p_company=5023&p_internal_external=E

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