

Position: Post-doctoral Fellowships (Ref: MB2018/1)

The Positions:

NIBRT is a world-class institute that provides training and research solutions for the bioprocessing industry. Our mission is to support the bioprocessing industry by providing a unique research environment that conducts research in support of modern industrial bioprocessing. The present positions are supported by Enterprise Ireland and in collaboration with Kerry Group in a research programme to identify bioactive components in protein hydrolysates as supplements to mammalian cell culture. The active components will be identified by a range of chromatographic and spectroscopic techniques. Functional testing will be based on the productivity of antibody-secreting cells or virus production from anchorage –dependent mammalian cells.

1. **Post-doctoral Researcher 1 (PDR1)** will focus on cell culture and productivity.
2. **Post-doctoral Researcher 2 (PDR2)** will focus on chemical separation and analysis of undefined hydrolysates

These positions will be based in the state of the art research and training facility, NIBRT on Foster Avenue, Mount Merrion in Dublin.

Main Responsibilities:

The PDRs will report directly to Professor Michael Butler, Chief Scientific Officer in NIBRT and work in a newly established Cell Technology lab.

We are seeking to recruit two Post-doctoral Researchers for the Cell Technology Laboratory concerned with the application of laboratory scale culture to large-scale industrial bioprocesses. The project involves the following:-

- Establish bench-scale culture of mammalian cells to identify bioactivity in protein hydrolysates.
- Fractionate hydrolysates to characterise the chemical nature of the bioactivity.
- Apply analytical techniques to identify bioactive chemicals.
- Incorporate the identified components in novel chemically-defined media formulations.

Knowledge, Skills and Experience

- Applicants will be expected to hold a PhD in a related scientific field: Chemical Engineering, Chemistry, Biochemistry or Life Sciences and will have experience in cell technology or chemical separations.
- For PDR1; a demonstrated experience in cell culture at a laboratory scale
- For PDR2: a demonstrated ability in chromatographic separations or chemical analysis
- A demonstrated commitment to excellent research and publications
- An understanding of the operational requirements for a successful research project
- Excellent project management, analytical, report writing and data analysis skills.

The successful candidates will be motivated self- starters, capable of working under their own initiative and as part of a busy team. Excellent interpersonal and verbal and written skills are essential.

What We Offer:

This posts are being offered on a 2 year fixed term contract basis and a competitive remuneration package will be on offer for the successful candidates.

How to Apply:

To apply for these positions please email you're CV, cover letter and the names and contact details of two referees in a combined PDF document to the HR department at careers@nibr.ie . Please include 'Your Name and the position that you are applying for plus the reference number (**Ref: MB2018/1**)', in the subject line.

Closing date: 22nd June 2018

NIBRT is an equal opportunities employer.