



**Assistant Professor in Biotechnology
School of Biotechnology
Permanent Contract
Dublin City University**

Dublin City University www.dcu.ie is a research-intensive, globally-engaged, dynamic institution that is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation, DCU acts as an agent of social, cultural and economic progress. DCU is Ireland's fastest growing university, and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick's Campus and DCU All Hallows campus.

School of Biotechnology

The School of Biotechnology is the academic unit leading life science and biotechnology education and research within the Faculty of Science & Health at Dublin City University (DCU). The school delivers both undergraduate B.Sc and taught M.Sc. postgraduate degree programmes in addition to the education and training of research M.Sc. and Ph.D students under its structured Ph.D programme *BioTranslate*. It is an active centre of basic, applied and multi-disciplinary research, supporting a defined cluster of intersecting research themes which link closely with the School's teaching programmes. The School and associated research centres (including the National Institute for Cellular Biotechnology (NICB nicb.ie) and the Water Institute (dcuwater.ie)) offer core facilities and technical support in the areas of Molecular Biology, Bioinformatics, Cell Characterisation, Proteomics, Bioprocessing, Sensor, Analytical Separations and membrane technology. Research projects fall into the general categories of Life Science or Industry-associated with activity in the domains of Health/Ageing/Disease, Bidesign, Environmental Science and Precision Health. They bring together a critical mass of multidisciplinary researchers that are strategically positioned to pursue national and international opportunities for research and innovation. The excellence of the school's research is reflected by funding success from many national and international sources (including direct funds from industry) and the quality of its published and other outputs.

Role Profile

The School is seeking to recruit an Assistant Professor in Biotechnology. The post holder will be expected to contribute to teaching, curriculum development, research, and administrative activities in the School, across all levels. The post holder will also be expected to contribute directly to degree programmes through research-led teaching, student mentoring and supervision of student projects.

Duties and Responsibilities

The duties and responsibilities of this post falls within DCU's Academic Development and Promotions Framework and the principles of the School's Academic Workload Model with activity across the

domains of teaching and learning, research and scholarship, and service and contribution. They are in line with DCU's strategic plan "Talent, Discovery and Transformation: 2017-2022."

-Teaching and Learning

This post will support the delivery of the Education mission of the University; specifically the delivery of the School's two core undergraduate programmes, namely the B.Sc in Biotechnology and B.Sc in Genetics & Cell Biology and its substantial contribution to the B.Sc in Analytical Science and B.Sc. in Environmental Science & Technology, in addition to its two taught Masters programmes: M.Sc in Bioprocess Engineering and M.Sc in Diagnostics & Precision Medicine plus our service teaching to support other degree programmes. The School is committed to a flexible mode of module delivery across all of its programmes and the successful candidate(s) will be expected to develop on-line components to their assigned teaching modules. Teaching duties also include the design, supervision and delivery of undergraduate/postgraduate student projects.

-Research and Scholarship

In addition to a demonstrable teaching ability, the post holder will be expected to have an independent research profile and the ability to secure grant awards from national/international agencies and/or industry to fund their research activities which would include the recruitment of both postgraduate students and postdoctoral research fellows; contribute to existing School/Centre and DCU-wide research initiatives and expand their network within DCU, nationally and internationally.

-Service and Contribution to University

The post holder will be required to undertake administrative roles related to the activities of the School of Biotechnology and the Faculty of Science & Health as assigned by the Head of School. These roles may include but are not limited to the following: Programme Chair; School Executive member; Convenor roles (teaching, research or international), Faculty Management board, Marketing, Safety Committee, Open Days, Conference organisation, Work Placement Tutoring. Participation in courses provided by the University designed to develop skills in such areas as teaching, management and safety will also be expected.

Candidate Requirements

- Ph.D and an education background that can deliver Biotechnology and Biochemistry related modules to our core undergraduate/postgraduate programmes
- A track record of original research that includes senior author publications, national or international grant award(s) as an independent Principal Investigator or Fellow. We are particularly seeking candidates whose research is in the area of Environmental Science and in particular, Ecotoxicology and Metabolomics as it relates to water systems.
- A track record of high quality university-level teaching (Level 8 and/or 9).
- Experience of research student supervision.

Mandatory Training

The post holder will be required to undertake the following mandatory compliance training: GDPR, Orientation, and Compliance.