



Applications are invited from suitably qualified candidates for the following position

**Assistant Professor in Biotechnology**  
**School of Biotechnology**  
**Faculty of Science & Health**  
**Fixed Term Three Year Contract**

**Introduction**

Dublin City University (DCU) is a young, ambitious and vibrant university, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise', DCU is a values-based institution, committed to the delivery of impact for the public good. DCU was named Sunday Times Irish University of the Year 2021.

DCU is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. More than 18,000 students are enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education.

DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on delivering a transformative student experience, and its positive social and economic impact. The university continues to develop innovative programmes in collaboration with industry, such as the DCU Futures suite of degrees, which are designed to equip graduates with the skills and knowledge required in a rapidly evolving economy.

DCU's pursuit of excellence has led to its current ranking among the top 2% of universities globally. It is also one of the world's Top Young Universities (QS Top 100 Under 50, Times Higher Top 150 Under 100). In the Times Higher Education University Impact Rankings 2021, DCU ranked 23rd in the world for its approach to widening participation in higher education and its ongoing commitment to eradicating poverty, while it ranks 38th globally for its work in reducing inequality and 89th globally for gender equality.

The university is ranked 23rd in the world and first in Ireland for its graduate employment rate, according to the 2020 QS Graduate Employability Rankings. Over the past decade, DCU has been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

**School of Biotechnology**

The School of Biotechnology ([www.dcu.ie/biotechnology](http://www.dcu.ie/biotechnology)) is the academic unit that leads biotechnology and bioprocessing education and research within the Faculty of Science & Health at Dublin City University (DCU). The school delivers both undergraduate BSc (e.g. Biotechnology, Environmental Science & Technology) and taught MSc postgraduate degree programmes (e.g. Bioprocessing Engineering) in addition to the education and training of research MSc and PhD students

under its structured PhD programme, BioTranslate. It is an active centre of basic, applied and multi-disciplinary research, supporting clusters of intersecting research themes which link closely with the School's teaching programs. The School has recently invested in upgrading its Bioprocessing Engineering infrastructure and is now home to the Microbial Bioprocessing Facility (MBF), a facility that is equipped with the most modern pilot scale bioreactors in Ireland. Fully automated bioreactors range in size from 3.7 L to 150 L. All Bioprocess Engineering laboratory modules are taught within this facility which is rapidly becoming the "go-to" location for bioprocess engineering teaching, industrial training in process analytical technology (PAT), industrial product development and brewing.

### **Relationships**

Reporting to the Head of School, the appointee will work closely with other colleagues, the Teaching Convenor/Associate Dean of Teaching and Learning and industry partners. Building positive relationships with professional support staff and technical and pedagogy specialists and engagement with key stakeholders within and outside of DCU is an important part of this role.

### **The Role**

The individual appointed will be expected to support the school, especially the bioprocess engineering team, as the school enters a period of expansion in its programmes. Within this role, the following will be prioritised:

- Teaching existing lecture modules in transport processes, bioreaction engineering, and downstream processing, especially membrane separations
- Contributing to the teaching of bioprocess engineering laboratory modules in the Microbial Bioprocessing Facility
- Working with the bioprocess engineering team to the development of new modules for the new BSc in Bioprocessing
- Undergoing training in novel pedagogies such as Challenge Based Learning

The role includes teaching, supervision of laboratory sessions, student mentoring and supervision of taught projects and research.

### **Duties and Responsibilities**

Please refer to the job description for a list of duties and responsibilities associated with this role.

### **Applicant Requirements**

- Applicants must hold an honours degree in biochemical/bioprocess engineering, biotechnology or a related discipline, as well as a PhD in Chemical/Bioprocess Engineering with a track record of research in microbial bioprocessing that includes corresponding and senior/first author publications and/or significant experience of working in an industrial microbial bioprocessing environment.
- A flexible, growth mindset with a strong willingness to teach outside their specialist area.
- Familiarity with digital learning tools and strong computational skills.

- Experience in high quality university-level teaching (Level 8 and/or 9).
- Experience of module design in both theory and laboratory contexts is highly desirable.
- Have a current research profile that demonstrates a pathway to future research independence such as Fellowship, Co-Investigator, Collaborator and/or Principal Investigator grant applications to date.
- Have excellent interpersonal and communication skills consistent with the highest quality of teaching and learning, along with evidence of successful teamwork and a collegial approach.
- Ensure objectives are met across the lifecycle of the project, including the developing, delivering and monitoring of academic programmes / microcredentials / specific projects.
- Provide leadership, guidance and identified points of escalation for issues and challenges.
- Provide expert advice and support to the programme / projects administration enable effective decision making and achievement of outcomes.
- Deliver strategic change with peers and senior internal staff through a combination of project and business-as-usual activity; balancing competing priorities within resources.
- Support governance and programme/project committee requirements by working closely with steering committees, programme management team and/or external institution leads.
- Provide reporting to the programme management team and steering committees, engaging with financial management and oversight of the project in line with HCI terms and conditions and participate in institutional or project audits

### **Mandatory Training**

The post holder will be required to undertake the following mandatory training: Orientation, GDPR and Compliance. Other training may need to be undertaken when required.

### **Salary Scale:**

Assistant Professor (Above bar) €54,163 - €86,182\*

*\*Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the relevant salary scale in line with current Government pay policy.*

**Closing date: Wednesday 1st June 2022**

For more information on DCU and our benefits, please visit [Why work at DCU?](#)

### **Informal Enquiries in relation to this role should be directed to:**

Professor Paul A Cahill, Head of School of Biotechnology, Dublin City University, Dublin 9.

Email [paul.cahill@dcu.ie](mailto:paul.cahill@dcu.ie)

***Do not send applications to this address. Instead, apply using the procedure set out below***

### **Application Procedure:**

Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies-current-vacancies-external-applicants> (external applicants)

Applications should be submitted by e-mail with your completed application form to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

**Please clearly state the role that you are applying for in your application and email subject line:  
Job Ref HCI.3.F.03 Assistant Professor in Biotechnology**

**Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment is available at <https://www.dcu.ie/policies/policy-starter-packs.shtml>**