



Applications are invited from suitably qualified candidates for the following position:

**Assistant Professor in Biomedical Engineering  
Faculty of Engineering and Computing  
School of Mechanical and Manufacturing Engineering  
Fixed Term Two Year Contract**

**Dublin City University**

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

**The Role**

The School of Mechanical and Manufacturing Engineering is seeking to recruit a talented and enthusiastic lecturer in Biomedical Engineering. The candidate should be motivated to lead and develop modules at both undergraduate and postgraduate level in the broad areas of tissue, joint or movement biomechanics, mechanobiology, medical devices, medical instrumentation, biomaterials, tissue engineering or regenerative medicine. We are particularly interested in applicants who have experience in teaching and have established a track record in research, ideally with applications to injury or rehabilitation. The post holder will be expected to align with

research and knowledge transfer activities with DCU's Biodesign Europe and MEDeng centres. The group's research activities encompass continuum biomechanics, biomaterials science, tissue engineering and regenerative medicine and clinical orthopaedics.

The applicants must be able to demonstrate the capability to conduct independent and collaborative research within the scope of the biomedical engineering discipline, obtain external research funding, and publish in high-impact journals. The appointee will be expected to contribute directly to undergraduate and Master's level programmes through research-led teaching, on-line delivery modes, supervision of laboratory sessions, student mentoring and supervision of capstones projects. Our Biomedical Engineering programmes prepare graduates with the knowledge and competence to meet the interdisciplinary challenges of biomechanical analysis, materials development and medical device development.

The appointee will be expected to support the School in implementing an innovative curriculum project, ensuring an industry-engaged, research-led approach, integration of challenge-based learning, digital tools and hybrid delivery. Broader implementation of teaching approaches into other target programmes in the School and engaging with university-wide elements of the initiative is also required including cross-faculty cooperation, project evaluation and reporting.

### **Relationships**

The position will report to the Head of School and work closely with other colleagues, the Teaching Convenor, the Research Convenor, Associate Dean of Teaching & Learning and the Associate Dean for Research, as well as 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.

### **Duties and Responsibilities: Principal Duties and Responsibilities**

Please see attached job description for principal duties and responsibilities of the role.

### **Qualifications, Skills and Experience Required**

The candidate must hold an honours degree in Biomedical Engineering, Mechanical Engineering with biomedical engineering specialisation or a relevant discipline and should be qualified to a post-graduate level with a PhD specialism in Biomedical Engineering, or a related discipline.

- Applicants must have demonstrated teaching experience at undergraduate and/or postgraduate level, ideally including experience in innovative pedagogies and/or assessments, international and/or online or technology-assisted teaching.
- The successful candidates should ideally have a minimum of two years relevant post-doctoral experience.
- Applications are specifically invited from those with strong research credentials and publication record, particularly in one or more of the following research areas: tissue mechanics, joint mechanics, injury biomechanics, mechanobiology, medical devices, medical instrumentation, biomaterials, tissue engineering or regenerative medicine.
- The successful applicants will ideally have potential to establish an independent research programme and attract research funding from competitive research funding schemes and/or industry.

- Candidates should demonstrate excellent interpersonal and communication skills consistent with the highest quality of teaching and learning, together with evidence of successful teamwork and a collegial approach.

### **Essential Training**

The postholder will be required to undertake the following essential compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when required.

**Salary Scale:** Assistant Professor (Above bar) Salary Scale - €58,629 - €93,957

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

**Closing date:** Friday, 14<sup>th</sup> April 2023

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

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

Dr. Paul Young, Acting Head of School, School of Mechanical & Manufacturing Engineering, Dublin City University.

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

### **Application Procedure:**

Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies-current-vacancies-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: #BC201905070 Assistant Professor in Biomedical Engineering**

**Dublin City University is an equal opportunities employer.**

**In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.**

**The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the [DCU Policy Starter Packs](#)**