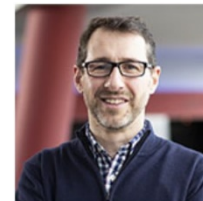


Professor Nicholas J. Dunne (nicholas.dunne@dcu.ie)

Full Professor of Biomaterials Engineering
[Biodesign Europe](#) / [Centre for Medical Engineering Research](#) (Director)
School of Mechanical and Manufacturing Engineering
Dublin City University, Glasnevin, Dublin 9

Adjunct Professor of Biomaterials Engineering
Trinity Centre for Bioengineering
School of Mechanical Engineering
Trinity College Dublin, College Green, Dublin 2

Field of Professional Activity: For nearly 25 years, Professor Dunne's research has focused on the stratified design/characterisation approaches of drug-biomaterial combinations for musculoskeletal repair/regeneration, wound-healing and cancer regimens, which have been developed via a strong, interdisciplinary programme complemented with over-arching national/international university, industry and clinical collaborations.



Education:

Athlone Regional Technical College	Polymer Science	BSc (Hons) 2:1, 1993
Queen's University Belfast	Biomaterials	PhD, 1996
Queen's University Belfast	Education	PGCHET, 2004

Recent Previous Professional Appointments:

2015-16, Full Professor of Biomaterials Engineering, School of Mechanical & Aerospace Engineering, Queen's University Belfast, UK
2010-15, Associate Professor in Biomaterials Engineering, School of Mechanical and Aerospace Engineering, QUB, UK
2008-10, Senior Lecturer, School of Mechanical and Aerospace Engineering, QUB, UK

Recent Awards and Honours:

- Spin-out company ([pHion Therapeutics](#)). Winner of Invent NI (2017) & All Ireland Intertrade Seedcorn Winner (2017).
- Journal of Materials Science: Materials in Medicine Award Best Paper Award (2017)
- Royal Academy of Engineering/Leverhulme Trust Senior Research Fellowship Award (2010)
- British Orthopaedic Research Society/Orthopaedic Research Society Research Fellowship (2009)

Professional Membership:

- Fellow, Institute of Materials, Mineral and Mining, 2009
- Member, Higher Education Academy, 2004
- Chartered Engineer, Institute of Materials, Mineral and Mining, 2000
- European Society of Biomaterials, 2003 – present

Leadership Roles in Biomaterials Research:

- Excellent track record of mentoring new/young researchers on career/professional development matters towards an independent research career, which has been developed via Spokesperson of Young Scientist Fora for European Society for Biomaterials (2010-2014) and UK Society for Biomaterials (2011-2015) Council Member of Educational Committee of the European Society for Biomaterials (2011-2014). Prof Dunne is currently a Council Member of the European Society for Biomaterials (2019) and in this role he has held the positions of Communication Officer and Liaison Officer with Conference Organizers (2019-2022) and is presently the Secretary (2022). He has also been President (2009-2015) and Secretary (2007-2009) of Northern Ireland Bioengineering Society and currently is the President (2019) of the Royal Academy of Medicine in Ireland – Section of Bioengineering.
- Vice-President and Treasurer of Executive Organising Committee for 11th World Biomaterials Congress 2020.
- Symposia organiser at many international scientific meetings (e.g. World Biomaterials Conference, World Congress of Biomechanics, European Society of Biomaterials and TERMIS-EU) focusing on: (i) research advances in biomaterials for bone repair/regeneration and (2) promoting biomaterials education, training and career development within the young academic and research communities.
- Journal Editor of Biomaterials Advances (IF = 7.328); Editorial Board Member of Regenerative Biomaterials (IF = 6.353); Royal Society of Chemistry - Biomaterials Science (IF = 6.183); Journal of Materials Science: Materials in Medicine (IF = 3.896) and Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine (IF = 1.617).

PhD and Postdoctoral Supervision and Mentorship: Since 2003, Prof Dunne has successfully supervised/mentored to completion 35 PhD/24 MSc students. Currently, he is supervising 19 PhD and 2 MSc students. Professor Dunne has also managed/mentored of 14 postdoctoral (PD) research fellows and is currently managing 5 PD research fellows. All qualified PG and PD researchers have secured full-time employment in biomaterials/biomedical engineering-based industries or forged an independent academic research career.

Recent Publications: Prof Dunne has authored +240 international peer-reviewed journal publications, which comprise of +75 as first author and +85 as senior author. Complete published work list at <https://scholar.google.com/citations?user=kvhLpnYAAAAJ&hl=en>.

Recent Research Grant Income: Prof Dunne's personal research activities have been continuously supported by UK and Irish Research Councils, the European Union and Charity funding bodies and industry. To date, he has secured ~€19M (PI) and ~€18.5M (Co-I) research funding from EU H2020, Engineering and Physical Sciences Research Council, Science Foundation Ireland, Medical Research Council, Invest NI, Irish Research Council, Innovate UK and The Royal Academy of Engineering and several major multinational medical device companies.

