

INNOVATION VOUCHERS INITIATIVE

Dublin City University

DIRECTORY OF SKILLS AND EXPERTISE



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DCU research creates new knowledge and technologies to enhance capabilities in four key areas: [health technologies](#), [information technology](#), [sustainability](#) and [social resilience](#).

R&E Hubs: Health Technologies and the Healthy and Ageing Society

The Health Technologies and the Healthy and Ageing Society Hub focuses on developing and implementing technologies to address the challenges of an ageing society. The hub facilitates access to DCU expertise and resources for collaborative and contract research or consultancy with industry or non-commercial enterprises (such as charities, NGOs, government agencies, sports associations, etc).

The Health Technologies Hub brings together research from multiple disciplines in DCU. In particular, it can integrate biomedical research with technology and social sciences to provide innovative solutions to problems in many areas: **Smart pharma:** innovations to address challenge in the biopharmaceutical industry; **Pre-clinical discovery:** a multi-disease approach to investigating mechanism underpinning chronic disease; **Translating biomedical research into practical application:** unique capability in sensor-based devices; **Connected health:** an integrated approach to improving life for patients through healthcare innovations.

For more information visit our [webpage](#).

R&E Hubs: Information Technology and Digital Society

The Information Technology and the Digital Society Hub helps to transfer DCU's ICT-based research outputs into the digital economy, and provides access to expertise within DCU that is available for consultancy, and for collaborative or contract research.

Available expertise covers: **semiconductor manufacturing, data analytics, cloud computing, intelligent content.** The Hub brings together multi-disciplinary teams of researchers capable of addressing significant challenges to generate innovative solutions. We have vast experience in collaborations with national and international academic and industry partners, as well as in direct contract research with enterprises from SMEs to global corporations.

For more information visit our [webpage](#).

R&E Hubs: Democratic and Secure Societies

Contemporary societies face major challenges around the inter-linked aims of democracy and security. DCU brings considerable expertise in the most important aspects of these challenges, in particular in **conflict resolution and post-conflict peacebuilding, the relationship between media and democracy, the importance of translation and interculturalism in contemporary society, the role of education as a driver of social change and inclusion.**

In these areas, DCU has led national and internationally funded research projects for research councils, the EU, policy-makers and NGOs. We are committed to working with policy communities, civil society and enterprises when our expertise can be useful.

For more information visit our [webpage](#).

R&E Hubs: Sustainable Economies and Societies

The Sustainable Economies and Societies Research and Enterprise Hub pulls together expertise from all four of DCU's academic faculties for research and innovation that supports sustainable development in both industry and the environment.

The current focus is on: **advanced manufacturing and materials, energy systems and the environment, water technologies.** DCU research aims to discover new science and technologies that meet the needs of the present without compromising the environment of future generations. Our discoveries help companies to design sustainable products and services, miniaturise components, source renewable materials, integrate ICT, and reduce the cost of production and transport. Our environmental research focuses on developing systems to monitor and manage water resources and on developing advanced science and technologies to improve the harnessing of new sources of energy.

For more information visit our [webpage](#).