



NUI Galway
OÉ Gaillimh

MEDTECH

at National University of Ireland Galway



PURPOSE. PEOPLE. PLACE.

PURPOSE

We want to achieve better outcomes for patients and impact on healthcare globally through innovative research.



PEOPLE

Our experts are pushing the frontiers of knowledge, research and innovation in medtech.




PLACE

Galway is one of Europe's premier medtech hubs and our University is at the heart of this ecosystem.



Three decades in the making, today the medtech ecosystem in Galway is recognised as world-class. Our university has a global reputation for medtech teaching, research and innovation. Our region is creating start-ups and attracting multinational companies.

18 of the **TOP 25** Medtech companies are located **IN IRELAND**



8/10 STENTS IN THE WORLD ARE MADE IN IRELAND



Ireland is the **SECOND LARGEST EXPORTER OF HEALTHCARE PRODUCTS IN EUROPE**



Academic excellence

Our university is home to over 18,000 students. Reflecting the rapidly evolving biomedical device sector, our academic programmes include Biomedical Engineering, Mechanical Engineering, Electrical and Electronic Engineering, Biomedical Science, Clinical Research, Regenerative Medicine, Cellular Manufacturing & Therapy, Medical Science, and Medical Technology Regulatory Affairs.



Research strengths

We have a global reputation for our research in the medtech field and have developed a range of research centres and initiatives. Our approach is interdisciplinary, bringing together science, engineering and medicine. Researchers work across the spectrum from fundamental research, through to clinical and translational projects.

We have particularly strong expertise in biomechanics, mechanobiology and in medical implant and device analysis, as well as regenerative medicine.

With industry we have extensive research collaborations and we licence our technologies into the sector.

We also put a strong focus on public and patient involvement in research.

CÚRAM

Our university leads CÚRAM, the Science Foundation Ireland Centre for Research in Medical Devices.

CÚRAM works in collaboration with academia, industry and clinicians to research, design and develop the next generation of 'smart' medical devices and implants.

Infrastructure

Our campus has incredible infrastructure for medtech. Significantly, we are co-located with the region's leading hospital and our clinical trials facilities are embedded in the hospital.

One of our key medtech labs is embedded within the clinical trials facility, which has conducted over 100 clinical trials. We have extensive wetlab facilities, and are home to Ireland's first clinical-grade stem cell manufacturing facility.

We have support for start-ups, with almost 30 medtech start-ups based in our Business Innovation Centre.

28 Medtech SUPPORTED Start-ups ON CAMPUS



Innovation & entrepreneurship

We work closely with government agencies, such as Enterprise Ireland and the Western Development Commission, and the national Health Service Executive, to host national initiatives to encourage and support staff, students and entrepreneurs.

These include:

- **BioInnovate Ireland**, a needs-led medical device programme modelled on Stanford's successful BioDesign initiative. It has progressed almost 30 technologies and produced seven high performance start-ups.
- **BioExel**, Ireland's only medtech accelerator, which provides training, mentoring and funding to emerging companies. Bioexel takes a spin-in approach, achieving investor ready opportunities in rapid time.
- **Health Innovation Hub Ireland**, based in our facilities co-located on the hospital, is allowing innovative ideas to flow from hospitals and community care, and providing a gateway for companies to engage with medical expertise.

7 MEDTECH SPIN-OUTS IN 3 YEARS



Our approach is to be collaborative, creative, interdisciplinary and entrepreneurial. Visit www.nuigalway.ie or email us at innovation@nuigalway.ie for more.