CÚRAM
An Impactful Medical Device Centre

22nd January 2020, Glasgow
Ireland and Medical Devices

9 OF THE TOP 10 Global Medical Technology companies are in Ireland

25% have a Global Business Services mandate

32,000 EMPLOYEES The highest number of people working in the industry in any country in Europe, per head of population

70% + ENGAGED IN R&D

€12.6bn EXPORTS

300 + COMPANIES Up from 50 in 1993

SIEMENS  B|BRAUN stryker® Baxter BD  Beckman Coulter Abbott

DePuySynthes  Alcon Boston Scientific Medtronic GE Essilor

13 OF THE TOP 15 MEDTECH COMPANIES HAVE OPERATIONS IN IRELAND
Mission

To develop affordable, innovative and transformative device-based solutions to treat global chronic diseases.

Industry is central to drive the translation of research into the next generation of medical devices and implants.
Creating Solutions for Unmet Clinical Needs

RESPIRATORY
- asthma
- emphysema
- lung inflammation
- sepsis

NEURAL
- peripheral nerve
- spinal cord injury
- neurodegenerative diseases
- pain and stroke

CARDIOVASCULAR
- myocardial infarction
- critical limb ischemia
- syncope

MUSCULOSKELETAL
- osteoarthritis
- osteoporosis and bone fractures
- cartilage and disc degeneration
- tendon injury

RENAL & UROLOGY
- acute and chronic kidney disease
- diabetic nephropathy
- interstitial cystitis

SOFT TISSUE
- abdominal wall defects
- hernia
- chronic skin wound healing
- corneal disease
- diabetes
Supporting Industry through the Creation of New Ideas and Technologies

- 72 Academic Leads
- 667 Researchers
- 10 Clinicians
- 10 Partner Institutes

- €37.1m funded by SFI
  - €12.5m Industry
  - €71.4m Leveraged
  - €121m committed to 2020

- 32 Industry Partners
  - 11 MNCs
  - 21 SMEs

1st in Human Clinical Trial Completed
Leading 12 others

- 61 IDF
- 35 Patent Applications
- 10 Licenses
- 3 Spin-outs
Working with Industry

- Co-Funded Targeted Industry Projects
- Open Call for Application
- Tailor Made Projects with Efficient Project Approval Process
- Managed industry programme with measurable deliverables and milestones
- Adopt the Guidelines set out in the Ireland’s National IP Protocol 2019
Industry Collaboration

- Medical Device
- Design or Research Need
- Investigator
- Cash Contribution
- Create Jobs
- Two Year Duration
- Strategically Aligned
- Value Proposition
- In-Kind
Industry Partners

INDUSTRIAL PARTNERS
- Building Blocks
- Functionalisation and Assembly
- Medical Implant Design
- Enabling Technologies
- Translational Support

RESEARCH PLATFORMS
- Market Driving Forces
- Unmet Industry and Clinical Needs
- Social Economic Drivers

Companies:
- Aquila Bioscience
- ACUitive
- Collagen Solutions
- factorBioscience
- abbvie
- aVECTAS
- COOK Medica
- Medical Energistics
- Mylan
- Medtronic
- ViscasBio
- nerveNerve
- Stryker
- Neovascular
- Neograft
- Aerogen
- neuravi
- Integer
- ARCH Scientific
- Boston Scientific
- Fleming
- STEMCELL
- Ocean Harvest

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International Collaborations

406 Academic Collaborations
215 Industrial Collaborations

EPSRC-SFI Centre for Doctoral Training

Confucius Institute for Chinese and Regenerative Medicine

US – Ireland Partnership Centre-to-Centre Initiative

ERC
SSIST
CMaT
CELL-MET
Non-Exchequer Funding

€33,784,312 awarded to Funded Investigators

- 66
  The number of EU projects CÚRAM Funded Investigators are involved in

- 139
  The number of industry (non-academic) partners involved in these projects

- 26
  The number of Irish industries involved in these projects

- €30,423,038
  The amount of funding awarded directly to CÚRAM Funded Investigators from EU projects

- €34,963,583
  The amount of funding awarded directly to industry in these projects

- €5,825,498
  The amount of funding awarded directly to Irish industry in these projects

66% of Funded Investigators have EU Funding
CÚRAM – CDT Team

MANAGEMENT TEAM

Prof Abhay Pandit  
Deputy Director

Dr Jessamyn Fairfield  
EPE Lead

Dr Manus Biggs  
Device Tech Lead

Dr Mihai Lomora  
Programme Manager

Equality, Diversity, and Inclusion Working Group

Dr Una Fitzgerald

Interdisciplinary Skills Group

Prof Madeline Lowery

Skills and Training Group

Dr Ger O’Connor
CÚRAM – CDT Students

- Eduardo Ribez Martinez
  Dr Conall Denny
  NUIG

- Eileen Reidy
  Dr Aideen Ryan
  NUIG

- Meenakshi Suku
  Dr Michael Monaghan
  TCD

- Mirella Ejiugwo
  Dr Ger O’Connor
  NUIG

- Yashna Chabria
  Dr Róisín Dwyer
  NUIG