

Excellent Science and Technology supporting Healthcare Innovations for a Healthy Society



Therapeutic Areas



Advanced Analytics



Exercise and Health



Diagnostic Technologies



Medical Devices



Biotherapeutics



Food Safety
& Functional Food

DCU is uniquely integrating technology, lifesciences and advanced analytics to address unmet needs in health.



For Healthcare Innovations and Connected Health – Speak to DCU

We are working for organisations to:

- ✓ Understand mechanisms in chronic disease and design personalised therapeutic interventions
- ✓ Create innovative disease management strategies
- ✓ Develop patient focussed connected health technologies
- ✓ Develop diagnostic devices for rapid point of care detection
- ✓ Transform bio manufacturing processes to improve competitiveness
- ✓ Improve food safety and develop novel functional foods
- ✓ Address emerging challenges in the biopharma industry
- ✓ Discover lifestyle interventions to improve health and human performance

Therapeutic Areas



- Oncology
- Autoimmune & Inflammatory Conditions
- Cardiovascular Disease
- Diabetes
- Infectious Disease
- Neurotherapeutics
- Ocular Disease
- Dementia

Advanced Analytics



- Bio-Analysis
- Genomics and Proteomics
- Bio-informatics and Biostatistics
- Medicinal Chemistry
- Separation and Detection
- Spectroscopy Suites
- Cell and Molecular Analysis
- Complex Modelling and Analysis
- Transcriptomics and Epigenetics
- Nanotechnology

Exercise and Health



- Therapeutic Application of Exercise
- Injury Prevention
- Sports Performance Management
- Connected Health Technologies
- Exercise and Healthy Ageing
- Muscle Biology/Nutrition
- Nutrition Sports Performance

Diagnostic Technologies



- Multi Biomarker Detection Platforms
- Antibody Engineering
- Optical Sensor Technology
- Microfluidics
- mHealth Technology
- Companion Diagnostics

Medical Devices



- Advanced Materials & Processes
- Medical Imaging
- Modelling & Design
- Microfabrication Facility

Biotherapeutics



- Antibody Technologies
- GMP manufacturing suite
- Encapsulation Technologies
- Protein Engineering
- Biotherapeutic production

Food Safety & Functional Food



- Detection of Food Contaminants
- Nutrient Absorption
- Nutrition and Health Ageing
- Organotypic Cell Models for Functional Ingredients

Work with DCU

We help solve your problems: We provide technologies, expertise and specialist services that help solve the challenges you face. We help you to leverage state funding to enhance your research and innovation capability. Our resources provide solutions to commercial firms, social enterprises, cultural organisations, NGOs and government departments. Contact us to see how we can help you.

For further information

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