



MEDICAL TECHNOLOGIES CENTRE OF RESEARCH EXCELLENCE (MedTech CoRE)

MedTech CoRE is New Zealand's Centre of Research Excellence in medical technologies.

Our focus:

- Translational research for improved healthcare outcomes and economic growth
- Postgraduate training to develop a pipeline of talent for the medtech industry



Our investigators are well connected in academia, industry and the healthcare community in New Zealand and globally.



RESEARCH

We are a research partnership of:

- University of Auckland (host)
- Auckland University of Technology
- University of Canterbury
- University of Otago



CLINICAL APPLICATION

- Victoria University of Wellington
- Callaghan Innovation
- Whānau Tahi



COMMERCIALISATION

The **Consortium for Medical Device Technologies (CMDT)** is the external engagement arm of MedTech CoRE. It builds engagement with industry, investors and government.

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AREAS OF RESEARCH FOCUS

The future of healthcare is affordable, personalised medicine accessible by all. The overarching vision of MedTech CoRE is to create next generation healthcare solutions to support the shift in the way healthcare will operate.



Gastric electrical pacemaker to enhance digestive functions

INTERVENTIONAL TECHNOLOGIES

- Minimally invasive techniques and multi-scale simulations to predict outcomes and optimise treatment strategies



New technologies enabling end users to keep track of their health

TELEHEALTH & HEALTH INFORMATICS

- Empowering and motivating patients
- Data integration and analysis to support clinical decision-making

DIAGNOSTICS & THERAPEUTICS

- Physiological models for diagnosis and enhanced treatment



Digital lung model to manage/predict interventions to disease

ASSISTIVE TECHNOLOGIES

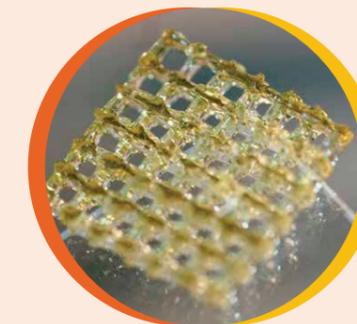
- Rehabilitation options to support recovery and improve quality of life (stroke, traumatic brain injury)



Computer-based therapy games and handheld device systems for upper limb training

TISSUE ENGINEERING FOR REGENERATIVE MEDICINE

- Therapeutic scaffold products for bone and tissue repair



3D bioprinted scaffold that can be used to grow cells

TAKING PROJECTS FROM CONCEPT TO COMMERCIALISATION



In all of its areas of work, MedTech CoRE continues to strive towards the metrics of scientific, clinical and commercial excellence.

Our outputs since inception in 2015:



232

JOURNAL
PUBLICATIONS



124

POSTGRADUATE
STUDENTS



27

PATENTS FILED BY
CoRE RESEARCHERS

GET IN TOUCH WITH US:

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