



MEDTECH PIPELINE

Monash University researchers from several faculties are building a rich pipeline of medical technologies with a wide range of applications that are available for partnering. **Check out our MedTech pipeline and replenish yours.**

| Technology | TECHNOLOGY CONCEPT | PROOF OF CONCEPT | PROTOTYPE | VALIDATION | MARKET | |
|---------------------------|--|------------------|--|-------------------------------|------------------|-----------|
| Dx - Biomarker | PET-ligand I | | New radiotracers for MS patients | | CNS | |
| | PET-ligand II | | | New radiotracers for oncology | Oncology | |
| Dx - Device | Bilirubin test | | | Home PoC device | Newborns | |
| | Bone healing assessment tool | | X-ray free | | Orthopaedics | |
| | Plasma separation test | | | Rapid, simple PoC device | Multiple uses | |
| Dx - Digital | Direct-to-brain stimulation (BC) | | Vision and other applications | MONASH VISION GROUP | CNS | |
| | e-Skins - Tactile sensors | | Wearable pressure sensor | | Multiple uses | |
| | e-Skins - Ultra-strong adhesion | | Highly durable wearable pressure sensor | | Multiple uses | |
| | Skin-like wearable sensors | | Physiological monitoring | | Multiple uses | |
| | MRI image reconstruction | | | Improved imaging | Multiple uses | |
| Device - Surgical | Pleural decompression device - thoracic rescue | | PARTNERING IN PROGRESS | | Lung | |
| | Robotic surgery | | Stereotactic device | | Surgery | |
| Device - Drug Delivery | On-demand controllable aerosol particles | | Controlled delivery of solids e.g. for inhaled drug delivery | | Multiple uses | |
| | Nebuliser | | Drug delivery | | Multiple uses | |
| | Drug-eluting balloon | | Photo-activated delivery of Restenosis-reducing drugs | | CVD | |
| | Transcranial Electrical Stimulation | | First in human; domestic use | | CNS | |
| Digital | TALI Health - Pre-school attention training; clinical validated and on market (ASX: NHL) | | | | ON MARKET | CNS |
| | FODMAP App | | | | ON MARKET | Nutrition |
| Materials - Drug delivery | Natural biomaterials for drug delivery | | Peptide-based | | Drug delivery | |
| | Osteointegration | | Bone implantation device | | Orthopaedics | |
| | Bone regeneration | | Novel bio-polymers | | Musculo-skeletal | |
| Materials - Processing | Antimicrobial Bismuth compounds | | Incorporation into medical devices, plastics, paper etc. | | Multiple uses | |
| | Lab on a chip | | Microfluidic diagnostic device | | Multiple uses | |
| | Exosome purification | | Scalable separation process for manufacturing | | Manufacturing | |
| | Light-controlled 3D protein structures | | Scaffold for stem cells | | Multiple uses | |

ENABLING TECHNOLOGIES / PROCESSES

ADDITIVE MANUFACTURING - Quality controlled 3D printing of body parts, tools etc.

CONTROLLED PLUG SPLITTING - Droplet production and manipulation e.g. High Throughput Screening (HTS) on microfluidic chips

EXOSOME PURIFICATION - Scalable separation process for manufacturing

PRECISE PARTICLE SEPARATION - Non-contact technique for cell separation / microfluidic Dx

SINGLE CELL ENCAPSULATION - Cell sorting / storage / handling (multiple uses)

PARTNER WITH MONASH

We seek the best partners to accelerate translation of our opportunities. Monash Innovation are open to a range of commercial pathways and we look forward to exploring the best approach with you.

CONTACT US

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