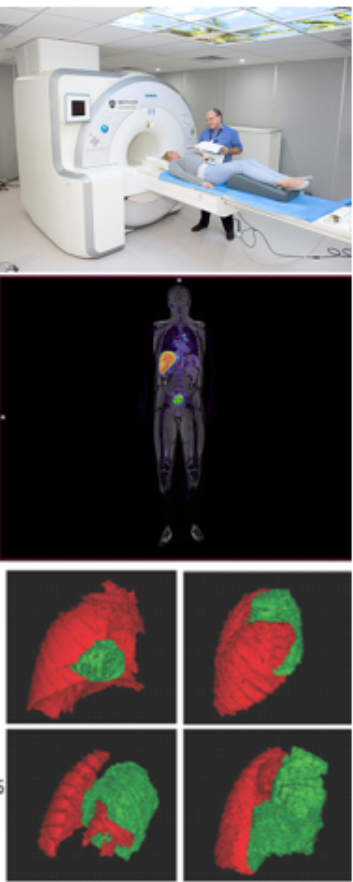


Monash Biomedical Imaging (MBI Clayton)

Our integrated imaging facilities and innovative research contribute to discoveries that are solving significant health problems.

Monash Biomedical Imaging (MBI) provides a full suite of multi-modal and simultaneous imaging equipment alongside human testing facilities to support various fields of preclinical and clinical research. Located in Clayton, adjacent to the Australia Synchrotron, MBI offers industry and researchers expert guidance and support to enhance research project outcomes in an ISO 9001 certified facility.



KEY INSTRUMENTATION

Siemens Biograph mMR- simultaneous MRI and PET scanner (human and small animal)

Victoria's only research dedicated MR-PET scanner

Siemens 3 Tesla MRI scanner (human and large animal)

Can combine with TMS EEG, skin stimulation, eye tracking and physiological monitoring

Bruker 9.4 Tesla MRI scanner (small animal)

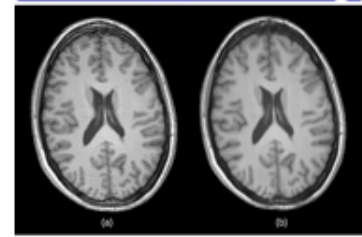
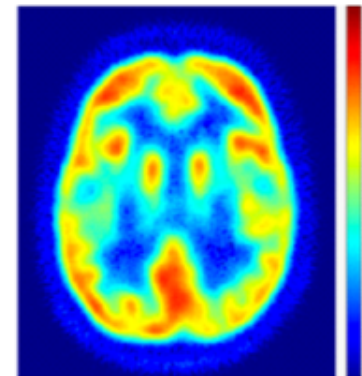
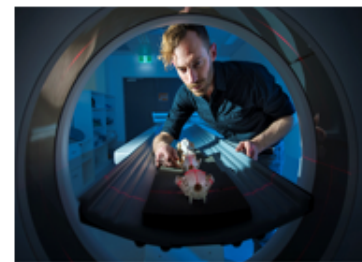
High resolution structural and functional images compared with clinical MRI

Siemens Inveon| PET-SPECT-CT (small animal)

Small to medium size animals and *ex-vivo* samples

Vivo2100 Ultrasound (small animal ultrasound)

Rapid acquisition speed and high-resolution ultrasound with ECG



ADDITIONAL CLINICAL FACILITIES

Electroencephalography (EEG) system

Transcranial Magnetic Stimulation (TMS) system

Ocular motor/eye tracking laboratory

Advanced computing facilities for image analysis

Mock MRI scanner for subject familiarisation

ADDITIONAL PRECLINICAL FACILITIES

MRI guided focused ultrasound

Onsite animal housing

Well-equipped PC2 laboratory

Radiochemistry and bespoke labelling for PET and SPECT-studies

Rodent cardiac surgeries and cardiac profiling

Fully equipped large and small animal surgeries

Monash Biomedical Imaging (MBI Clayton)

Linked Research Facilities

Alfred Research Alliance-Monash Biomedical Imaging (ARA-MBI)

A preclinical imaging facility located at the Alfred Hospital in Prahran offering access to Bruker 9.4Tesla MRI scanner, Mediso PET-SPECT-CT, and Magnetic Insights Magnetic Particle Imaging scanner.

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BrainPark

A research clinic located at MBI Clayton featuring indoor and outdoor gymnasiums, spin (cycle) room, exercise physiology room, virtual reality studios, brain training pods, clinical assessment rooms, and a meditation/yoga studio.

Access to Neuroimaging Facilities

Located within the innovation cluster in Clayton, in Melbourne's South-East, MBI is uniquely positioned to offer researchers access to a centrally located and managed suite of biomedical imaging and other research facilities. Our team can help you to coordinate access across our facilities, as well as provide training and technique and method development, if required.

Enquiries for Facility Use

E: enquiries.mbi@monash.edu

P: + 61 3 9905 0100

Click [here](#) for further details

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