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Monash University advances medical breakthroughs with Victoria's most advanced MRI scanner

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To strengthen Australia's global leadership in the development of next generation of therapeutics



Australia's Monash University is launching Victoria’s most advanced, research-dedicated Magnetic Resonance Imaging (MRI) scanner to support world-class researchers as they accelerate breakthroughs in critical health challenges like dementia, schizophrenia, addiction, epilepsy and cancer.

The cutting-edge Siemens Healthineers MAGNETOM Cima.X 3T MRI scanner, housed at Monash Biomedical Imaging (MBI) in Clayton, utilises multimodal imaging capabilities to deliver scans quicker and more accurately than ever before.

This critical research infrastructure is jointly funded by Monash University and the National Imaging Facility, with funding from the Department of Education National Collaborative Research Infrastructure Strategy (NCRIS) programme.

Accelerating translation from bench to bedside, the outcomes delivered by the Cima.X scanner will strengthen Australia’s global leadership in research innovation and the development of the next generation of therapeutics.

With the MBI facility co-located in the same precinct as the Monash Velos Accelerator alongside the University’s MAVERIC supercomputer, the first of its kind in Australia, Cima.X also offers a unique opportunity for AI researchers to collect high-resolution and signal-to-noise imaging data for advanced artificial intelligence algorithms development.

It will be pivotal in supporting flagship University projects like the Monash Brain and Behaviour Project, which is recruiting thousands of patients for detailed neuroimaging and psychiatric assessments, and the Medical Research Future Fund-funded Monash Autism and Attention Deficit Hyperactivity Disorder (ADHD) Genetics and Neurodevelopment project to map brain changes across autism and ADHD.