

W: phenomicsaustralia.org.au

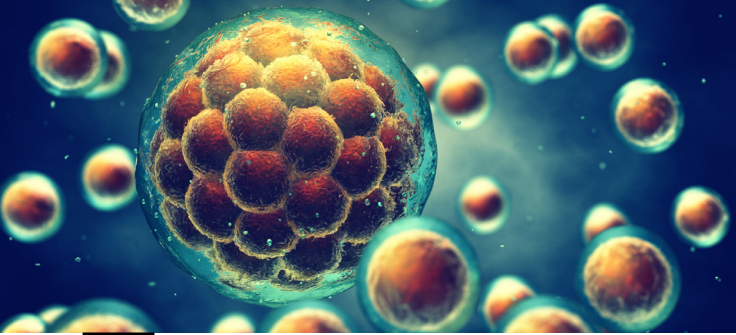
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Enabling Precision Medicine



**Non
Animal
Models**

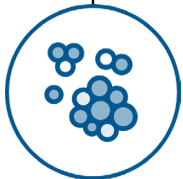


Phenomics Australia offers Non-Animal Models services through a collaborative consortium of laboratories/facilities across Australia.

Phenomics Australia Non-Animal Models services are operating at:

- Australian National University – ANU Centre for Therapeutic Discovery (ACTD)
- Harry Perkins Institute of Medical Research – Translational Cancer Research Program in Oncology
- Monash University – Monash Organoid Program & Monash Genome Modification Platform
- Murdoch Children’s Research Institute – iPSC Derivation & Gene Editing Facility
- Peter MacCallum Cancer Centre – Victorian Centre for Functional Genomics (VCFG)
- University of Melbourne – Stem Cell Disease Modelling Laboratory & Centre for Stem Cell Systems
- University of Queensland – *In vitro* Genome Engineering and Disease Modelling Service, Australian Institute for Bioengineering and Nanotechnology
- Victor Chang Cardiac Research Institute Stem Cell Production Facility iPSC Reprogramming Service within the Innovation Centre

- 3D BIOPRINTING
- CRISPR IN CELLS
- ORGANIDS
- HUMAN iPSCs
- PATIENT-DERIVED LINES



Non-Animal Models

- HIGH THROUGHPUT SCREENING AND IMAGING
- STEM CELL REGISTRY
- TRAINING, CONSULTANCY, AND TECHNICAL SUPPORT

The synergistic network of the Non-Animal Models service providers delivers adaptable and scalable disease-modelling platforms for improved diagnosis, Precision Medicine for genetic disorders, and therapeutic development by both academia and the biopharmaceutical industry, boosting Australia’s capability and capacity to understand the functional consequences of DNA sequence variation in the human genome for health and disease.

