Phenomics Australia
Enabling precision medicine

NCRIS
National Research Infrastructure for Australia
An Australian Government Initiative

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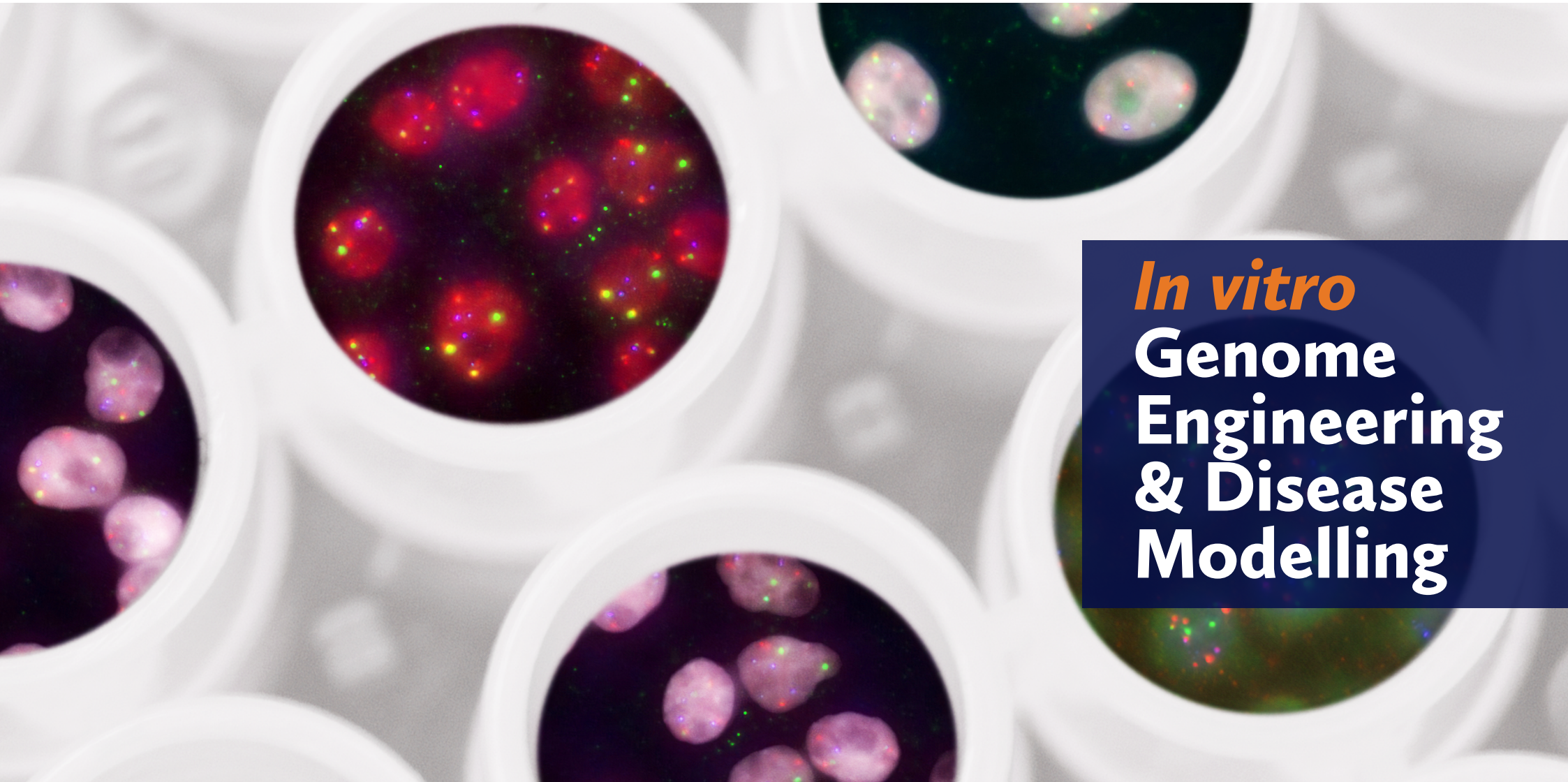
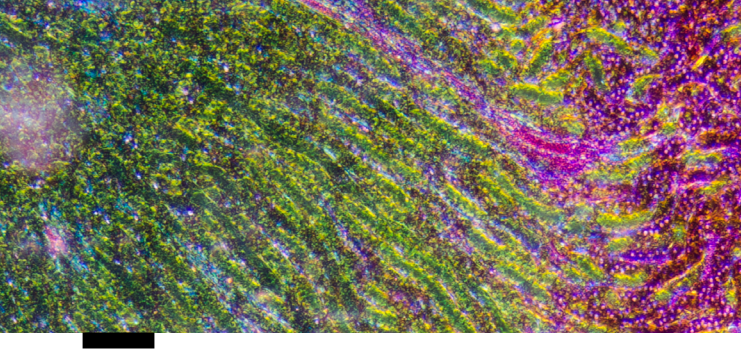
Enabling Precision Medicine



In vitro Genome Engineering & Disease Modelling



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

In vitro Services

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

Phenomics Australia offers* in vitro *services through a collaborative consortium of laboratories/facilities across Australia.

The synergistic network of *In vitro* 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.

Phenomics Australia *in vitro* 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