



W: phenomicsaustralia.org.au

T: @phenomics

E: contact@australianphenomics.org.au

Enabling Precision Medicine



**Functional
Genomics
& High-
Throughput
Screening**



- 3D BIOLOGY AND SCREENING
- shRNA PLATFORM
- CELLULAR PHENOTYPING
- BIOINFORMATICS PIPELINES
- QUANTITATIVE ANALYSIS
- DATA PROVISION



Functional Genomics & HTP Screening Services

- CRISPR/Cas9 SCREENING
- POOLED VIRAL CRISPR SCREENING
- ARRAYED CRISPR SCREENING
- NUCLEOFECTION
- RNAi SCREENING
- CROPSEQ
- COMPOUND SCREENING

Phenomics Australia Functional Genomics and High-throughput screening services enable biomedical researchers Australia-wide to perform discovery-based screens using multiple platforms.

Phenomics Australia enables researchers to perform genome-scale cell-based CRISPR, RNAi, and compound screening in both 2D cell lines and 3D cell lines, PDX, patient-derived cells, and complex disease models using sophisticated liquid handling automation, high content cellular phenotyping, and reporter-based readouts.

Phenomics Australia functional genomics & high-throughput screening services are operating at:

- Peter MacCallum Cancer Centre – Victorian Centre for Functional Genomics (VCFG)
- Australian National University – ANU Centre for Therapeutic Discovery (ACTD)
- Harry Perkins Institute of Medical Research – Translational Cancer Research Program in Oncology
- Monash University – Monash Functional Genomics Platform (MFGP)
- University of Adelaide in partnership with South Australian Health and Medical Research Institute – Functional Genomics South Australia (FGSA)

