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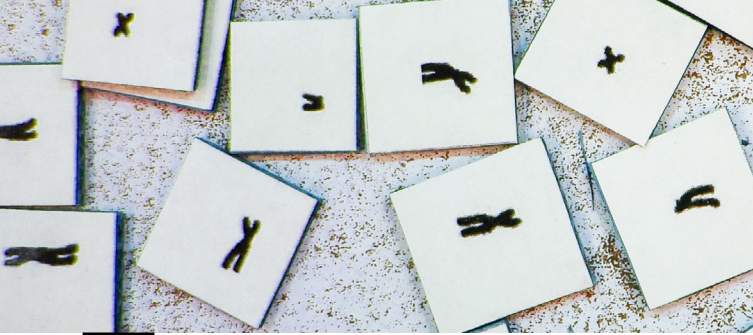
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Enabling Precision Medicine



In vivo
**Genome
Engineering
& Disease
Modelling**



● PRODUCTION OF TRANSGENIC MICE, RATS, AND OTHER SPECIES

● DNA CONSTRUCT DESIGN & PRODUCTION

● ANIMAL MODEL PROVISION

● CRISPR/Cas9 TECHNOLOGY



In vivo Services

● GENE TARGETING STRATEGIES

● GENE TARGETING IN MOUSE EMBRYONIC STEM CELLS

● COVID-19 MODELLING

● TRANSGENIC DROSOPHILA PRODUCTION

By providing a leading capability to make genetic associations with disease, Phenomics Australia makes the cost of investigating pathways associated with disease affordable.

Phenomics Australia provides a national centre of expertise and service provision to deploy CRISPR for increased speed, efficiency, and decreased cost for the production of animal strains carrying targeted mutations while maintaining the expertise for traditional transgenic technologies.

Phenomics Australia *in vivo* services are operating at:

- Australian National University – Phenogenomics Targeting Facility (PTF)
- Monash University – Monash Genome Modification Platform (MGMP)
- Walter and Eliza Hall Institute of Medical Research – Melbourne Advanced Gene Editing Centre (MAGEC)
- South Australian Health and Medical Research Institute – South Australian Genome Editing Facility (SAGE)
- Peter MacCallum Cancer Centre – The Australian Drosophila Transgenic Facility (ADTF)

