



UNSW
SYDNEY



Genomics Research and Analytics

The Ramaciotti Centre for Genomics is the largest genomics facility at any Australian University. It is comprehensively equipped with the latest next-generation sequencing (NGS) technology, with single-cell genomics platforms and with high throughput microarray systems. It is funded by the Australian Government as infrastructure of national significance.

Competitive advantage

- Genomics facility with 20 years' operational experience in virtually all areas of genomics
- Highly experienced technical staff and facilities capable of annually processing more than 50,000 samples by NGS and other technologies

Successful applications

- Human genome sequencing, exome sequencing and genotyping
- Rapid genome sequencing and assembly of viral, microbial and fungal pathogens
- Microbiome analysis of samples from humans, soil and water by 16S rRNA or metagenomics
- Short-read and long-read sequencing
- Analysis of gene expression by next-generation sequencing or microarray
- Potential to analyse bioterrorism or biosecurity agents

Capabilities and facilities

- Capacity for end to end projects, including bioinformatics
- Custom-built labs in a new \$180M biosciences building

Our partners

- CSIRO
- NSW Department of Primary Industries (DPI)
- The Australian Wine Research Institute (AWRI)
- Garvan Institute of Medical Research

More Information

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