



UNSW
SYDNEY



Ramaciotti Centre for Genomics

The Ramaciotti Centre for Genomics is the largest genomics facility at any Australian University. It is comprehensively equipped with the latest generation of next-generation sequencing 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
- Twenty full-time technical staff who process more than 20,000 samples by next-generation sequencing and more than 30,000 samples with other technologies, each year

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
- Advanced quality systems and certified service provider
- Custom-built labs in new \$180M biosciences building
- High quality IT networks and systems

Our Partners

- Researchers in industry, public-funded research agencies, medical research institutes and universities – more than 500 users per annum from more than 350 labs.

More Information

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