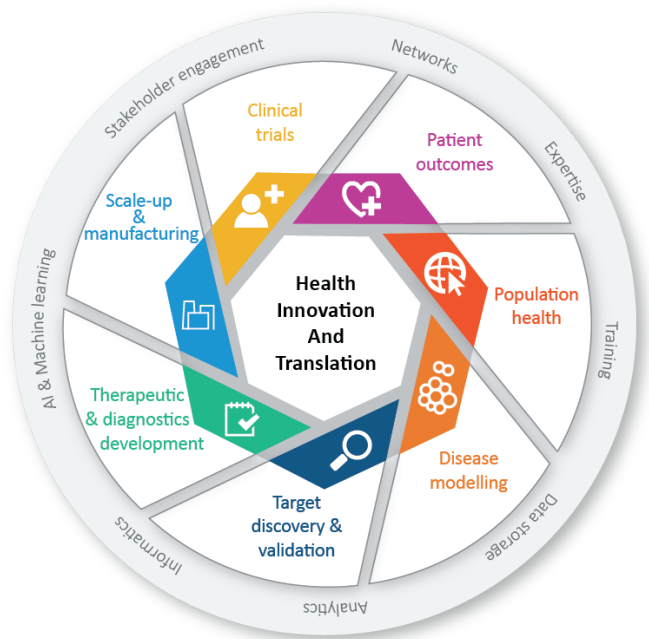


National health research infrastructure for Australia

Enabling health innovation and translation

The NCRIS Health Group enables seamless access to Australia's world-class national health and medical research expertise and infrastructure to support innovation and translation.

We help health and medical researchers investigate solutions to complex problems that cannot be solved by a single discipline - working together to keep Australians healthy.



Bioplatforms Australia supports Australian life science researchers and industry across health, agriculture and environment providing state-of-the-art infrastructure and expertise in genomics, proteomics, metabolomics, synthetic biology and bioinformatics.

bioplatforms.com
comms@bioplatforms.com



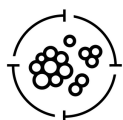
EMBL Australia enables access to cutting-edge infrastructure and scientific services in Europe, and actively fosters the growth of the next generation of life science researchers in Australia.

emblaustralia.org
info@emblaustralia.org



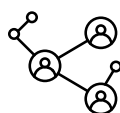
National Imaging Facility is Australia's advanced imaging network, providing a full suite of advanced imaging capability including preclinical and clinical, human and animal imaging, radiochemistry, and imaging data analysis.

anif.org.au
admin@anif.org.au



Phenomics Australia supports research by providing preclinical models, genome engineering, screening, phenotyping, biobanking, and pathology services and their application to benefit health, defence, biosecurity, manufacturing, environment, and agriculture.

phenomicsaustralia.org.au
contact@australianphenomics.org.au



Population Health Research Network links health and human services data across the Australian population and provides secure data access to support innovative research.

phrn.org.au
phrn@uwa.edu.au



Therapeutic Innovation Australia enables access to expertise and services to accelerate the translation of lab discoveries into new therapeutic products.

therapeuticinnovation.com.au
info@therapeuticinnovation.com.au

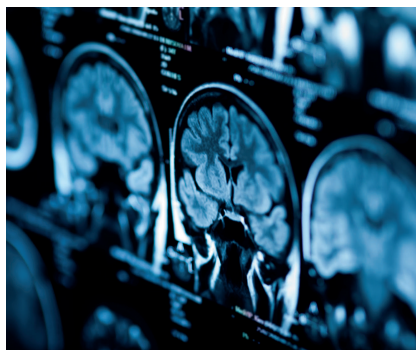
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Australian Government

NCRIS Health Group case studies



Enabling virtual biobanking

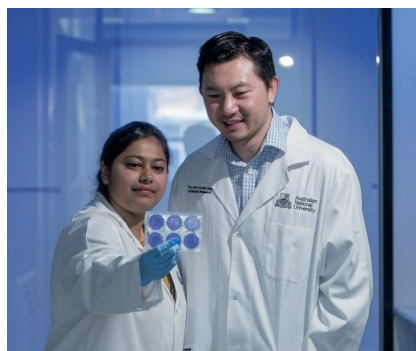
The NCRIS Health Group is supporting Brain Cancer Biobanking Australia, a world-first collaboration. Brain cancer claims more lives among children and adults under 40 in Australia than any other cancer. BCBA's virtual biobank provides researchers with easy access to tissue and associated data to accelerate paediatric and adult translational brain cancer research.

Genomics & bioinformatics:
Bioplatforms Australia

Data linkage:
Population Health Research Network

Advanced human imaging:
National Imaging Facility

Biobanking & organoid platform:
Phenomics Australia



A new class of antimicrobial drugs

Australian National University research, led by Prof Si Ming Man, in collaboration with CSL and CSIRO, has discovered antimicrobial proteins combating antibiotic-resistant bacteria. These proteins not only benefit humans but also offer potential for disease prevention and treatment in animals. By advancing inflammation understanding, this breakthrough could address antibiotic shortages, transforming healthcare and agriculture.

Genomics:
Bioplatforms Australia

Disease modelling:
Phenomics Australia

Compound screening:
Therapeutic Innovation Australia



Novel theranostics to improve ovarian cancer treatment

A study led by Mater Research's Prof John Hooper has led to the development of a novel radio-theranostic agent for imaging and treatment of ovarian cancer. By pairing a radiotracer to highlight diagnostic biomarkers with therapeutic agents that share a specific target in diseased cells or tissues, the promising new medical product will allow clinicians to 'see what they treat'.

Biologics development:
Therapeutic Innovation Australia

Advanced human imaging:
National Imaging Facility



Translating RNA therapeutics

EMBL Australia Group Leader Prof Chen Davidovich is leading the establishment of an RNA Mass Spectrometry Platform in Australia. Leveraging collaboration across EMBL Australia's national research network and state-of-the-art NCRIS facilities located at Bioplatforms Australia nodes, the platform will deliver a complete quality assessment of mRNA and RNA therapeutics to accelerate the local development and translation of cutting-edge therapeutics.

RNA biology:
EMBL Australia

Mass spectrometry:
Bioplatforms Australia