

Bioplatforms Australia (BPA)

BPA provides services and scientific infrastructure in the specialist fields of genomics, proteomics, metabolomics and bioinformatics. It supports Australian life science research with crucial investments in state-of-the-art technologies and cutting edge expertise.

Key facts

- State: ACT, NSW, QLD, SA, VIC, WA
- Lead institute: Bioplatforms Australia Limited
- Project status: In progress
- Australian Government contribution:
 - \$51 million from the National Collaborative Research Infrastructure Strategy program
 - \$50 million under the Super Science Initiative
 - \$4.5 million from the Collaborative Research Infrastructure Scheme
 - \$20.92 million from the National Collaborative Research Infrastructure Strategy 2013 program
- Key funding partners: host institutions and the governments of Victoria, Queensland, New South Wales, South Australia, and Western Australia

Project deliverables

The BPA network includes four platforms that offer state-of-the-art facilities and deliver world class expertise:

- **Genomics Australia** – high throughput gene sequencing, transcript analysis, epigenetics, bioinformatics
- **Proteomics Australia** – protein separation, mass spectrometry, monoclonal antibody development, protein chemistry
- **Metabolomics Australia** – small molecule analysis, sample preparation, metabolite profiling, mass spectrometry, lipidomics
- **Australian Bioinformatics Facility** – cutting edge computational tools, bioinformatics strategies, data acquisition, data analysis, data reporting

Additionally, BPA has undertaken a number of special initiatives, leveraging the skills and expertise of BPA's network to generate datasets of national interest in the areas of agriculture, biomedical science and the environment. More information can be found of the [BPA Special Initiatives webpage](#).

Access

All researchers can access the BPA nodes across Australia at a low cost and on the basis of merit. Reasonable commercial rates are charged to industry users.

Learn more on the [BPA website](#).

Participating organisations

- Bioplatforms Australia Ltd (lead institute)
- Macquarie University (specifically, the Australian Proteome Analysis Facility)
- TGR Biosciences Pty Ltd

- Queensland Institute of Medical Research
- Monash University
- Australian Genome Research Facility
- The University of Queensland
- Southern Cross University
- The University of NSW (specifically, the Ramaciotti Centre for Gene Function & Analysis)
- The Australian National University
- La Trobe University – Victorian AgriBiosciences Centre
- Murdoch University
- The University of Melbourne
- The Australian Wine Research Institute
- The University of Western Australia
- Western Australian Institute for Medical Research
- The University of Adelaide
- EMBL Australia (Australian Bioinformatics Network)
- CSIRO (Australian Bioinformatics Network)