

Sydney Biomedical Accelerator



THE UNIVERSITY OF
SYDNEY



Sydney
Local Health District

Fast-tracking innovative
research into better
health outcomes

The Sydney Biomedical Accelerator is a visionary partnership between the University of Sydney, Sydney Local Health District and the NSW Government.



Architectural concept of the SBA (left) next to the Susan Wakil Health Building (right), viewed from Western Avenue.

Our vision for the Sydney Biomedical Accelerator (SBA) is to create a globally significant complex that genuinely integrates fundamental research at the molecular and cellular level with clinical and patient-centred research and health outcomes.

Built on over
140 years of
collaboration

Health impact

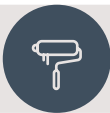
The SBA seeks to support innovative research, translation and commercialisation by fast-tracking scientific discovery into health outcomes. It will do this by bringing together multidisciplinary teams that facilitate research insights into the commercialisation of diagnostics, treatments and changes to healthcare delivery.

About the occupants

Over 1,200 biomedical researchers and clinician scientists will be located at the SBA, including University of Sydney researchers and PhD students, clinical scientists from Sydney Local Health District, industry researchers, and collaborators such as the Centenary Institute.



2022
Early works
commence



2023
Gloucester House
refurbishment
and Innovation
Hub launch



2025
Groundbreaking
ceremony
and start of
construction



2028
Anticipated
occupancy



Architectural concept of the SBA,
view from St Andrew's Oval.

Our vision for the future

The SBA complex

- The 36,000m² SBA complex will feature two biomedical research buildings spanning the University's Camperdown Campus and the District's Royal Prince Alfred Hospital.
- The interconnected SBA buildings will enable seamless transition between them and facilitate easy access to neighbouring facilities, including the Susan Wakil Health Building and Gloucester House.
- The 28,000m² building on University grounds will be named the Isaac Wakil Biomedical Building.

Facilities

- PC2 and PC3 laboratory spaces for researchers and industry
- Modernised and consolidated biobank
- Cell and biologics manufacturing cleanrooms
- High-performing computing and bioinformatics
- Leading-edge omics and bioinformatics for precision medicine
- State-of-the-art surgery, mortuary and anatomy research and teaching
- Core research facilities for cytometry, microscopy, preclinical imaging, omics, organoids, drug discovery, protein production and purification
- Clinical trials and patient-facing clinical spaces
- Collaboration spaces for researchers, clinicians and industry partners, including an innovation and start-up hub



In May 2025, the Health Minister and NSW Health Secretary joined University and District leaders, along with founding donor the Susan and Isaac Wakil Foundation, to break ground on the SBA.

Funding

- The Sydney Biomedical Accelerator project totals **\$780m**.
- Sydney Local Health District and the NSW Government invested **\$150m**.
- The University of Sydney invested **\$630m** in SBA infrastructure and equipment, including through generous philanthropy.
- Extraordinary support has been received from the Susan and Isaac Wakil Foundation, Medich Foundation, CLEARbridge Foundation, Dr Marie Knispel and anonymous donors.



Architectural concept of the building on the Royal Prince Alfred Hospital campus

Predicted economic benefits

\$845m

in health benefits to the population by 2035

40%

increase in biomedical researchers in Tech Central (\$37.1m in value add)

70%

increase in likelihood of new-to-world innovations

Precinct Map

- 
-  Sydney Local Health District
 -  The University of Sydney
 -  Joint
 -  Collaborators

1 Royal Prince Alfred Hospital

Premier tertiary and quaternary referral hospital, and recognised leader in healthcare excellence and innovation.

2 Statewide Biobank

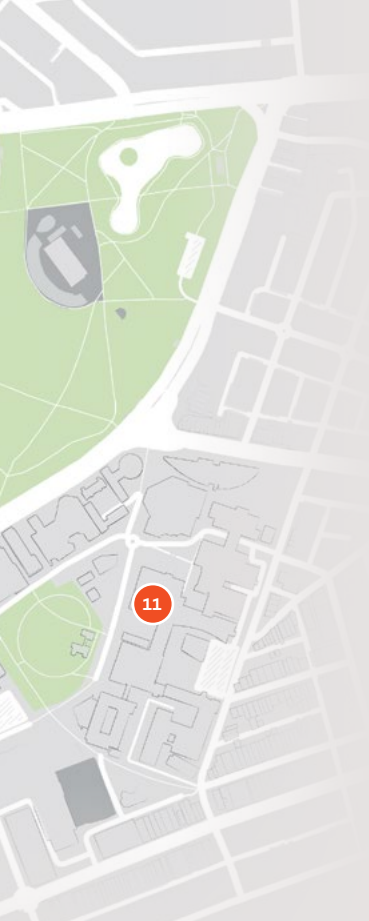
State-of-the-art storage for tissue samples, tumour cells, DNA and blood samples.

3 Institute of Academic Surgery

Primary hub of surgical research and education at RPA.

4 Surgical and Robotic Training Institute

The southern hemisphere's only training institute for robotic surgery.



Centrally located within the Camperdown node of Tech Central and perfectly timed with the \$940 million redevelopment of Royal Prince Alfred Hospital, the SBA will transform research and clinical capabilities in New South Wales. This region is under major transformation with significant infrastructure investment, industry attraction, internationally recognised expertise and Australia's leading health service-university partnership. The SBA will also be physically connected to the University's Susan Wakil Health Building, the largest training facility for health professionals in the southern hemisphere.

5 Charles Perkins Centre

Multidisciplinary obesity, diabetes and cardiovascular disease research centre with mass spectrometry, cytometry and microscopy facilities, a hybrid theatre and other functions.

6 Centenary Institute

First medical research institute collaborator of the SBA with a focus on cancer, inflammation and cardiovascular research.

7 Susan Wakil Health Building

Purpose-built multidisciplinary medicine and health teaching and research facility.

8 Sydney Biomedical Accelerator

Biomedical research complex spanning the University and RPA Hospital campuses, scheduled to open in 2028.

9 Sydney Nano

Multidisciplinary nanoscience research institute which houses the Research and Prototype Foundry.

10 Sydney Knowledge Hub

Co-working space for researcher-led start-ups and organisations that collaborate with the University of Sydney.

11 Engineering & Tech precinct

Biomedical, chemical, and biomolecular engineering research area. Home to the Sydney Manufacturing Hub.

12 Madsen Building

Home to one of the world's largest and most comprehensive microscopy facilities, Sydney Microscopy and Microanalysis, and headquarters to the national facility, Microscopy Australia.

13 Area 53 Camperdown

Commercial lab and manufacturing space accommodating scale ups and industry.



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For more information
sydneybiomedicalaccelerator.org

Building site

Camperdown, New South Wales, Australia

