

RESEARCH AND INNOVATION PRECINCT

BIO INNOVATION HUB

Helping early-stage biotechnology and agritech companies grow and thrive

The Bio Innovation Hub is a purpose-built PC2 laboratory and office facility to support the growth of early-stage biotechnology and agritech businesses.

By accessing PC2 laboratories and shared equipment, the Bio Innovation Hub enables you to focus your resources on research and development. While being co-located and connected with a community of like-minded companies, leading academic researchers, a future workforce talent pool and world-class research infrastructure.

CRITICAL INFRASTRUCTURE FOR INDUSTRY

FACILITY

Located in La Trobe University's Jenny Graves Building within the core of the Bundoora campus, the Bio Innovation Hub provides:

- Flexible design offering up to 12 private suites (20m² – 40m²) and single 1.5m benches in the open plan area within the PC2 certified facility.
- Unlimited access to suites and areas containing shared scientific instruments, cell culture, microscopy, centrifugation, media preparation, bacterial culture, PCR setup, and cold storage (from 4°C to Liquid Nitrogen)
- Private office and open plan desk options
- Shared kitchen, break out and meeting rooms
- Unlimited access to Internet, La Trobe meeting rooms, and Library services
- Ability to access La Trobe core research facilities and platform technologies.

SHARED EQUIPMENT

Bio Innovation Hub partners are entitled to access shared equipment including:

- Cold storage: Liquid Nitrogen, -80°C, -30°C and 4°C
- Centrifuges: High speed and ultra-high speed centrifuges with 14–500mL rotors, microcentrifuges
- ChemiDoc imaging, PCR, microplate readers, nanodrop spectrophotometer
- Reverse Osmosis and Milli-Q water
- Analytical and precision balances
- Microscopes: Dissector, compound, phase and inverse phase contrast systems
- Biological Safety Cabinets, laminar flow hoods
- CO₂ Incubators
- Dishwasher, autoclaves and basic general research equipment

RESEARCH PLATFORMS

La Trobe is home to world-class researchers, institutes and centres that actively work with industry and the community and are supported by specialist research infrastructure. Core facilities supporting Bio Innovation Hub partners include:

BIOIMAGING PLATFORM

Equipment and technologies in optical and electron microscopy, flow cytometry and image analysis.

GENOMICS PLATFORM

State of the art 'next generation sequencing' equipment supported by expertise in bioinformatic analysis and project design.

PROTEOMICS & METABOLOMICS PLATFORM

Suite of capabilities for protein identification and quantification, small molecule structure determination and metabolomics.

CLINICAL TRIALS PLATFORM

Expert advice and support for clinical trial design, management and services.

STATISTICS PLATFORM

Consultancy advice for statistical analysis, research methods, experimental design and data analysis for projects.

LA TROBE ANIMAL RESEARCH AND TEACHING FACILITY

Small animal research services including animal housing, monitoring and husbandry, specialised containment, imaging equipment and surgical facilities

PLANT SCIENCE

Controlled growth facilities, glasshouses, plant phenomics and expertise in soil science, plant growth and medicinal agriculture.

UNIVERSITY CITY OF THE FUTURE

The Research and Innovation Precinct is a key pillar in the La Trobe University City of The Future project and a cornerstone of La Trobe's Industry Engagement. The City of the Future will be a thriving place where people live, work, play and visit. A digitally supported community with spaces designed for collaboration. Our University City of the Future will invite industry to co-locate on campus, create 20,000+ new jobs over ten years, education facilities for 40,000+ students, additional housing for 12,000 students, staff and private residents and \$3.5 billion in Gross Regional Product (GRP) over the next ten years.

CO-LOCATION TO SUPPORT GROWTH

UNLOCKING BIOTECH DISCOVERIES



DISCOVER MORE:

latrobe.edu.au/bioinnovationhub

GENERAL ENQUIRIES:

Research and Innovation Precinct
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THE LA TROBE BIOTECHNOLOGY ECOSYSTEM

La Trobe University is a leader in research and education across both medical and agricultural biotechnology, with expertise in immunology, genetic engineering, microbiology, and structural biology.

Our research institutes including:

- La Trobe Institute for Molecular Sciences
- Olivia Newton-John Cancer Research Institute
- Baker Department of Cardiovascular Research, Translation, and Implementation
- Centre for AgriBioscience, a joint venture with Agriculture Victoria

Enable us to engage in cross-disciplinary projects that focus on innovation and the translation of research to support biotech and agtech organisations and the development of the local biotech and agtech sectors.

In addition, La Trobe's digital innovation and research expertise extends our support to the biotech and agtech sectors through workforce development initiatives and the digital transformation of these organisations. The newly established Australian Centre for AI in Medical Innovation is at the forefront of this effort, integrating artificial intelligence with medical research to drive advancements in healthcare technologies and diagnostics.

La Trobe has a proud history of co-locating industry within our facilities, providing biotechnology and agritech companies with access to world-class infrastructure, collaborative research opportunities, and a development pipeline that spans from start-ups to ASX-listed companies. Our recent partnership with BioNTech exemplifies the potential for industry collaboration to drive groundbreaking research and innovation.

Co-locating on our campus offers unparalleled access to La Trobe's academic community, allowing organizations to leverage our research expertise and infrastructure, secure funding, and recruit top talent through PhD students, post-graduates, and student placements. The Bio Innovation Hub serves as a leading example of our commitment to fostering an environment where industry and academia can collaborate seamlessly to advance biotechnology and agritechology.



At VivaZome, an innovative Australian biotechnology company, scientists are working to redefine the treatment of neuro-inflammatory disease using extracellular vesicles.

"We chose the Bio Innovation Hub because La Trobe University is really at the forefront of this field of research, providing access to top-class collaborators, and critical facilities and equipment facilities."

XENIA SANGO
CEO AND MANAGING DIRECTOR
VIVAZOME THERAPEUTICS PTY LTD

