

La Trobe Institute for Molecular Science



Launched in 2009, the La Trobe Institute for Molecular Science (LIMS) brings together La Trobe university's leading researchers to work on some of the most critical problems facing our world today.

The Institute's vision is achieved through excellence in four thematic areas of research strength: Cancer, Infection and Immunity, Molecular Design and Nanoscience.

The research agenda of LIMS is supported by a state-of-the-art facility where scientists in different disciplines work together in well equipped, shared work-spaces to achieve outcomes that would not be possible in traditional academic settings.

LIMS also has two embedded biotech companies: Hexima Limited, which is developing plant-derived proteins and peptides for applications such as human therapeutics and the genetic modification of crops; and AdAlta Limited, which is developing the next generation antibody platform, the i-body, to deliver high affinity and specific biologics against a variety of therapeutic and diagnostic targets.

LIMS has outstanding links with the Australian Synchrotron. Several of the Institute's physicists design and build synchrotron components.

Game-changing partnerships also enhance the Institute's efforts to raise its research capabilities to new levels of national and international significance. An important collaboration with the Olivia Newton-John Cancer Research Institute facilitates the sharing of knowledge, skills, training and facilities.



LA TROBE
UNIVERSITY



LA TROBE
INSTITUTE FOR
MOLECULAR SCIENCE

LIMS AT A GLANCE

>400

ACADEMIC STAFF
AND POSTGRADUATE
STUDENTS



>60

LABORATORY HEADS

5
ARC FUTURE FELLOWS
2 DECRA FELLOWS



4
NHMRC FELLOWS

247
WEB OF SCIENCE
PUBLICATIONS (2017)



1.56
SCOPUS FIELD WEIGHTED
CITATION IMPACT

ERA RANKINGS:
5
BIOCHEMISTRY AND CELL
BIOLOGY; ANALYTICAL
CHEMISTRY; OPTICAL
PHYSICS; CONDENSED
MATTER PHYSICS



4
GENETICS; MEDICAL
AND BIOMOLECULAR
CHEMISTRY; INORGANIC
CHEMISTRY

>\$41M
EQUIPMENT ACROSS
3 CAMPUSES



>900
INDIVIDUAL PIECES
OF EQUIPMENT

LIMS RESEARCH THEMES:
CANCER
INFECTION AND IMMUNITY



MOLECULAR DESIGN
NANOSCIENCE

FACILITIES:
HISTOLOGY FACILITY
COMPREHENSIVE
PROTEOMICS PLATFORM



BIOIMAGING PLATFORM
PHYSICS WORKSHOP
STORE

RESEARCH CENTRES:
MATERIALS AND
SURFACE SCIENCE
MOLECULAR CANCER
PREVENTION



EXTRACELLULAR
VESICLES
BIOMEDICAL AND
ENVIRONMENTAL
SENSOR TECHNOLOGY

EMBEDDED
BIOTECHNOLOGY
COMPANIES:
HEXIMA LTD



ADALTA LTD

INDUSTRY PARTNERSHIPS:

3
SIEF FELLOWSHIPS
(ANATARA, HEXIMA,
ADALTA)



\$3.6M/YR
RESEARCH CONTRACTS

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