

# 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

**>\$41M**

EQUIPMENT ACROSS  
3 CAMPUSES



**>900**

INDIVIDUAL PIECES  
OF EQUIPMENT

**6**

ARC FUTURE FELLOWS  
2 DECRA FELLOWS



**4**

NHMRC FELLOWS

## LIMS RESEARCH THEMES:

CANCER  
INFECTION AND IMMUNITY



MOLECULAR DESIGN  
NANOSCIENCE

**1**

VCA MID-CAREER  
FELLOWSHIP



**3**

SIEF  
FELLOWSHIPS

## FACILITIES:

– HISTOLOGY  
– COMPREHENSIVE  
PROTEOMICS PLATFORM



– BIOIMAGING  
PLATFORM  
– PHYSICS WORKSHOP  
– STORE

**202**

WEB OF SCIENCE  
PUBLICATIONS (2019)



**1.52**

SCOPUS FIELD WEIGHTED  
CITATION IMPACT

## RESEARCH CENTRES:

– MATERIALS AND  
SURFACE SCIENCE  
– MOLECULAR CANCER  
PREVENTION



– EXTRACELLULAR  
VESICLES  
– BIOMEDICAL AND  
ENVIRONMENTAL  
SENSOR TECHNOLOGY

## ERA RANKINGS:

**5**

BIOCHEMISTRY AND CELL  
BIOLOGY; ANALYTICAL  
CHEMISTRY; OPTICAL  
PHYSICS; CONDENSED  
MATTER PHYSICS; GENETICS;  
MEDICAL AND BIOMOLECULAR  
CHEMISTRY



**4**

INORGANIC CHEMISTRY;  
PHYSICAL CHEMISTRY

## EMBEDDED BIOTECHNOLOGY COMPANIES:

HEXIMA LTD



ADALTA LTD