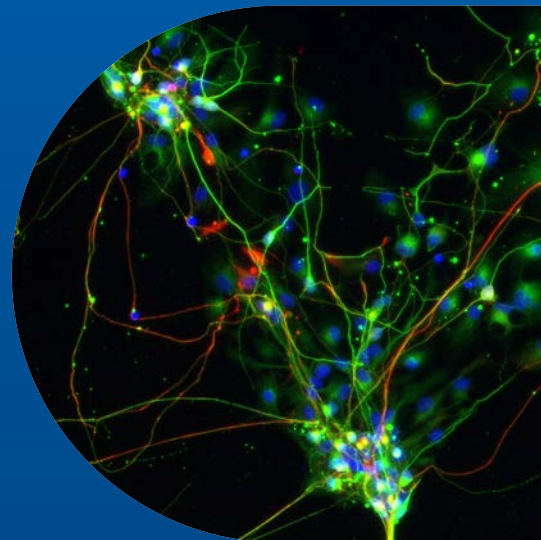


Te Pūtaiao Koiora ā-Pūtau, ā-Rāpoi Ngota hoki Undergraduate Cell and Molecular Bioscience



Cell and Molecular Bioscience is the study of life at its smallest and most fundamental levels, focusing on cells, molecules and the processes that enable organisms to function, grow and adapt.

What you will learn

Delve into the microscopic world and unlock the secrets of life at its smallest scales.

Cell and Molecular Bioscience explores how cells work, how genes are expressed and how molecules power every process in living things. It is at the centre of exciting advances in biotechnology, genetics, conservation and medicine.

You will study the inner workings of the molecular world, from molecular machines to gene editing, cellular therapies to drug discovery, and how they apply to microbes, plants, animals and humans.

Your new skillset will include modern laboratory techniques, data analysis, critical thinking, creativity and communication to prepare you for the workplace or postgraduate study.

In Aotearoa New Zealand this skillset is essential for improving healthcare through drug discovery and disease modelling, protecting our unique species and developing smarter, more sustainable approaches to crop development and pest control.

As global challenges grow, from antibiotic resistance to crop failure, the ability to investigate and engineer life at the molecular level has never been more important.

Interested in pursuing entry to a clinical programme?

Cell and Molecular Bioscience is one of six Bachelor of Science (BSc) health majors that provide clear pathways into the following year two clinical health programmes:

- › Bachelor of Medical Imaging (Honours)
- › Bachelor of Medicine and Bachelor of Surgery
- › Bachelor of Optometry
- › Bachelor of Pharmacy

Students intending to apply for these programmes must take specific courses to be eligible for clinical selection. GPA requirements also apply. Please consult the relevant year two clinical programmes on the University of Auckland website for detailed information.



To find out more, visit

auckland.ac.nz/sciencehealthmajors



Waipapa
Taumata Rau
**University
of Auckland**

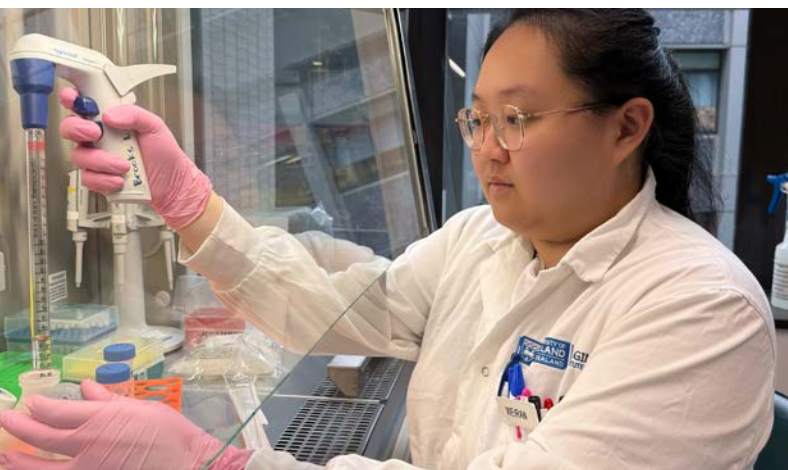


Career opportunities

There are opportunities to apply your learning in a number of different career pathways in New Zealand and overseas. You may find employment in biotechnology industries, pharmaceutical or government-owned research organisations and the private sector.

Related jobs include:

- › Biotechnologist
- › Lab technician or research scientist
- › Science communicator or educator
- › Geneticist
- › Quantitative biologist
- › Product application specialist
- › Crop improvement scientist
- › Molecular ecologist



"The undergraduate courses gave me the opportunity to explore immunology and cell biology in much greater depth while gaining hands-on laboratory experience. This sparked my interest in research and further encouraged me to pursue a career working in flow cytometry as a research assistant."

Weiran Jin
Master of Biotechnology
Cytometrist, Liggins Institute



"I loved studying bioscience in my undergraduate and postgraduate degrees at the University of Auckland. I now use my knowledge of plant molecular biology to create innovative solutions to problems and explore opportunities in the horticultural industry."

Hilary Ireland
PhD, Biological Sciences
Scientist, Plant and Food Research

Complementary majors include

- › Biodiversity, Ecology and Evolution
- › Medicinal Chemistry
- › Pharmacology
- › Physiology
- › Chemistry
- › Exercise Sciences
- › Psychology
- › Computer Science



Find out more about how your degree will be structured and what courses you need to take at

auckland.ac.nz/cell-molecular-bioscience

Applications close on 8 December.

Kuhua ki tō mātou hāpori, ā, Kimihia tōu Pūtaiao.
Join our community and find your Science.



Disclaimer: The information in this document is a general guide only for students and subject to alteration. All students enrolling at the University of Auckland must consult its official Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies. [2026]

Have any questions?
Contact the Student Hub

auckland.ac.nz/student-hubs