School of Biomolecular and Biomedical Science

- Biochemistry and Molecular Biology
- Genetics
- Microbiology
- Neuroscience
- Pharmacology

If choose Pharmacology and Neuroscience, must choose a third that is NOT Physiology

Prof Geraldine Butler Head of Teaching and Learning Prof Cormac Murphy Head of School

Consider alternatives





Interested in Pharmacology?

Consider **Biochemistry:** drug structure, design and application

Consider **Genetics:** genomics and pharmacogenomics, cancer genetics

Interested in Neuroscience?

Consider **Genetics:** genetic basis of behaviour and disease

Consider **Biochemistry:** drug design (e.g. for Alzheimer's, Parkinsons etc).

What will you study?





Learning opportunities: two undergraduate research modules

Undergraduate Genetics and Microbiology students isolate and name new yeast species from soil



The New York Eimes

Before Beer Became Lager, a Microbe Made a Mysterious Journey

Scientists found a relative of a parent of lager yeast in soil on an Irish university's campus, which could help to track how it ended up in Bavaria.

First European discovery of a lager yeast parent by UCD scientists

Science & technology | Bee

A find by a student in Ireland plugs a gap in the history of lager

But the trail still leads back to Patagonia



Open to: Genetics, Microbiology and Biochemistry





News > Irish News

BLACK AND GOLD Ireland's secret lager link revealed as Dublin boffins make 'amazing discovery' and plot next move



DUBLIN

National Universit of Singapore

RIS Deutsche German

Summer research opportunities and Erasmus/Exchange programmes (Stage 3)

DAAD

An Undergraduate Summer Research Program in Science and Biotechnology

- Files

Scholars Program



Stage 4 research/internship opportunities







A revolution in preeclampsia care





Research in SBBS

Disease modelling (cystic fibrosis, blindness, cancer biology) Water quality and human/animal health Climate change: zero carbon Diagnosis: Oncomark and Al Premie Genomics, epidemiology , infectious disease and evolution



Opportunities once you have a Biomedical Science degree

 Industry Examples: Biotechnology companies Pharmaceutical companies Genomics companies 	 Science Communication Examples: Scientific publications Mainstream journalism Science-medical interface 	 Clinical Research Examples: Hospital laboratories Forensic science labs Drug development research
 Scientific Advisory Examples: Environmental Protection Agency Not-for-profits Drug regulatory bodies 	Research regulationExamples:Biological PatentsClinical trial consultancyToxicology assessment	 Graduate studies Examples: M.Sc. Ph.D. Additional professional qualifications
Useful skillset for non-research careers		

- Advanced learning
- Problem solving
- Presentation of research findings
- Experience with both team work and independent research