

UCD SCIENCE



School of Biomolecular & Biomedical Science (SBBS)

ucd.ie/sbbs

Moving from Stage 2 to Stage 3 Science



Professor John O'Connor
Head of Teaching & Learning



@UCD_SBBS



UCD School of Biomolecular
& Biomedical Science



@SBBSUCD

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In Stage 3 you will study your Subject choice + Optional science modules + Elective modules

Subject choice

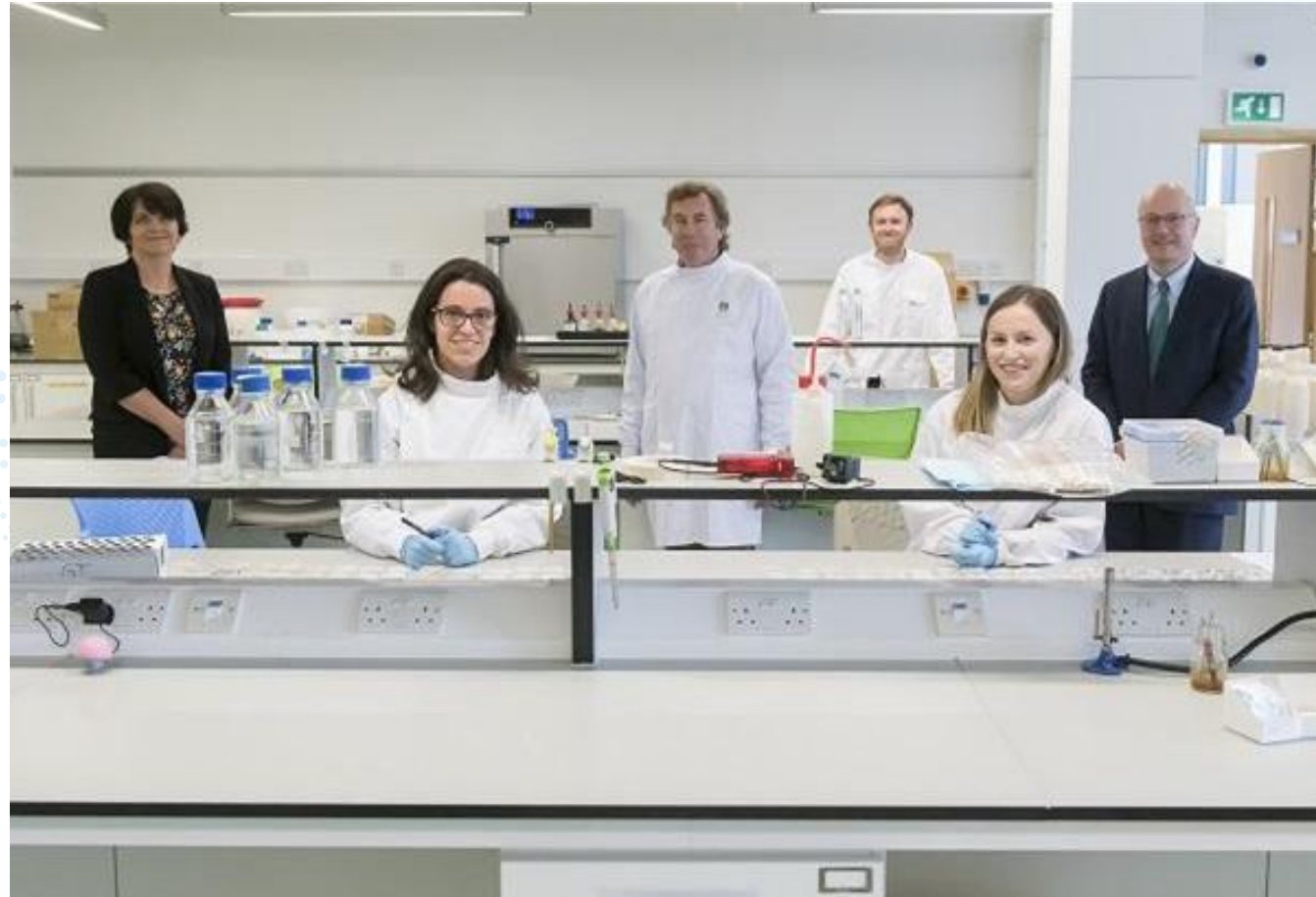
Biochemistry
& Molecular
Biology

Genetics

Microbiology

Neuroscience

Pharmacology

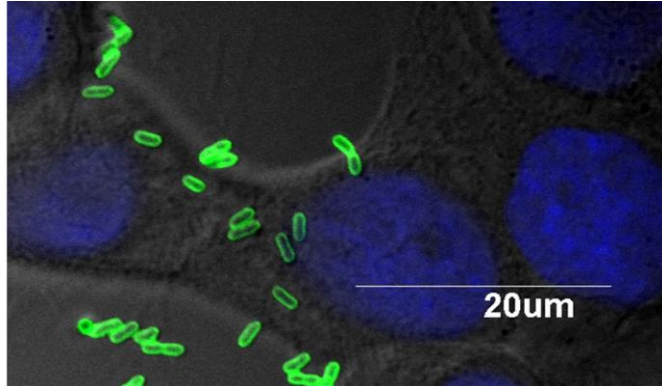


What research do we do!

Here are some examples

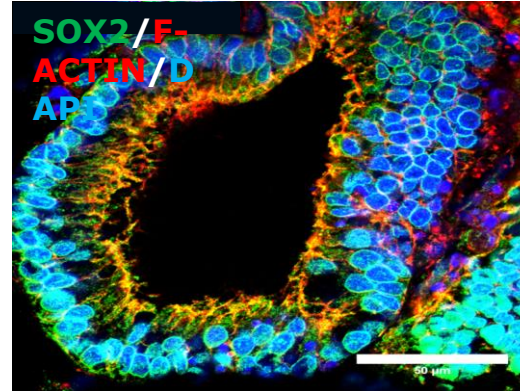


Cystic fibrosis research



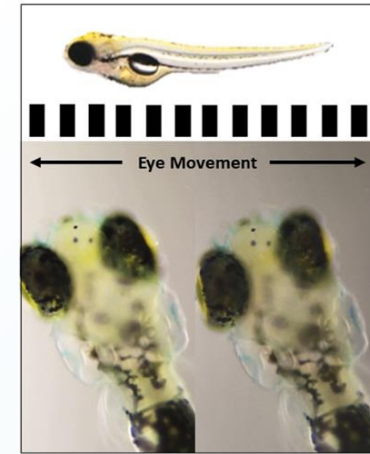
Interactions between bacteria and lung cells!

Modelling Development and Disease



Mini brain Organoids

Fighting Blindness



5-day old larvae zebrafish

Breast Cancer Research



Multidisciplinary Centre which unites breast cancer experts

Water Quality and Human/Animal Health



Acclimatize

Climate Change Research



BEACON SFI Bioeconomy Research Centre

COVID research examples in the School Surveillance of sewerage and SARS-CoV-2 levels

In stage 3

Opportunity to study abroad (Erasmus or non-EU Exchange usually for one trimester).

Also some opportunities for internships over the summer period to carry out an 8 week project.

In stage 4 great opportunities to carry out a 6 months internship (25 credit module BMOL40060- Industry project in Ireland) or go on exchange to Europe to carry out your project e.g.

Bochum

Copenhagen

Max Plank

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 Legality

Examples:

- *Biological Patents*
- *Clinical trial consultancy*
- *Toxicology assessment*

Graduate studies

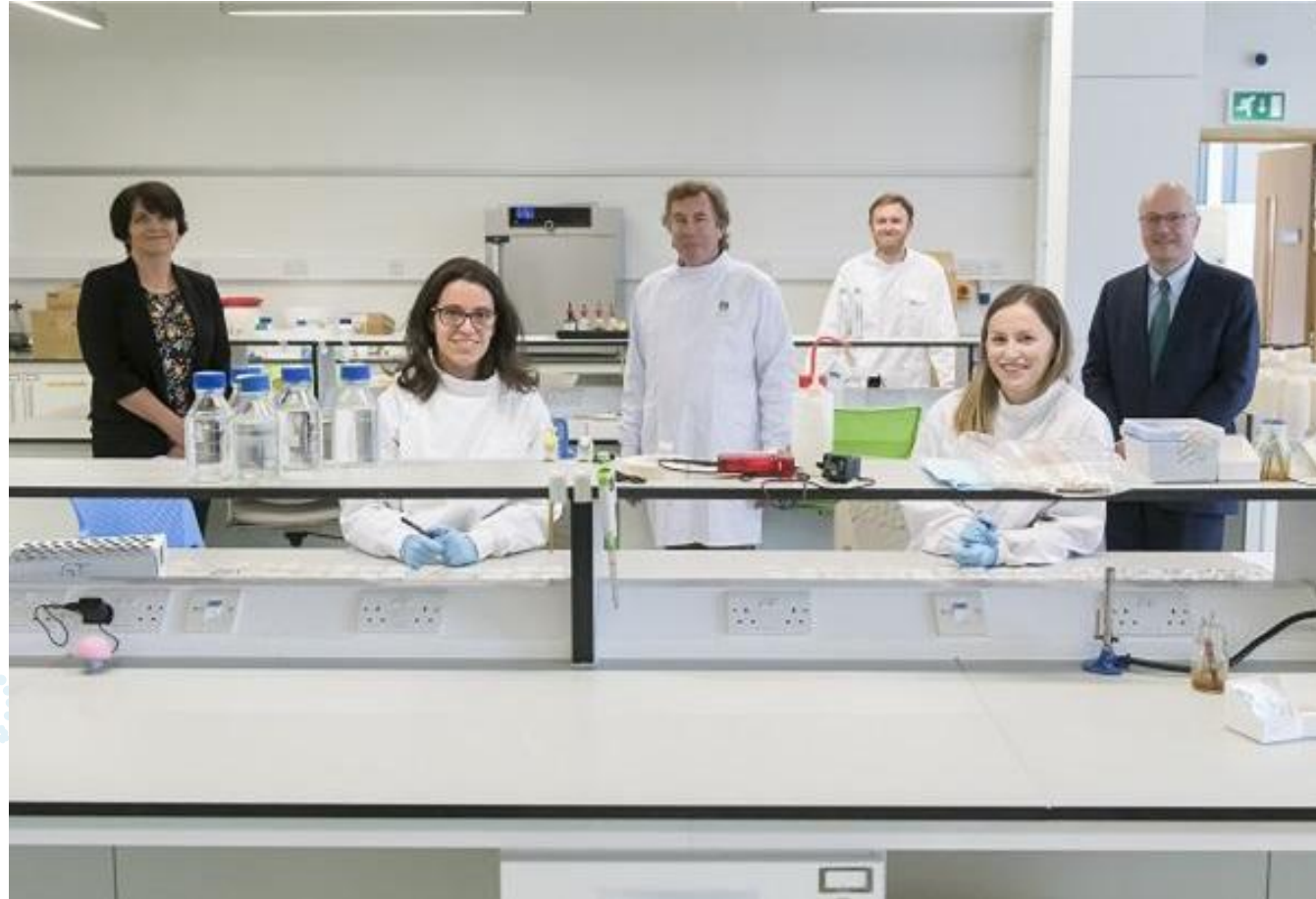
Examples:

- *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*

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Thank you
Prof John OConnor