



Programme Overview

The Faculties of Medicine & Dentistry and Medical & Veterinary Sciences are offering a new MRes degree programme aimed at providing students with a foundation and practical training in biomedical research. Taught units will provide training in research methods, project management, and data and statistical analyses. Transferable skills training in verbal and written communication will also be emphasised. An extended research project in biomedical research will form the core of the programme; students will have the opportunity to pursue research projects in either research-intensive Faculty. Applications are welcome from medical, dental and veterinary students interested in pursuing an intercalation option after completing three years of study.

About the Programme

The unique feature of this intercalation option is the opportunity to spend approximately 9 months undertaking a 120 credit point research project embedded within one of the University's internationally recognised biomedical research groups. A wide variety of projects will be available, so it should be possible to identify a project that matches your research interests. An additional 60 credit points of taught units are included, which will further help to prepare you for academic research.

Unit 1 Research Methods



This unit introduces a variety of research methods used in basic and applied clinical research. Students will gain transferable skills in data analysis, academic writing and presentation.

Unit 3 Grant Writing



Academic researchers must be successful in gaining research funding. This unit develops skills necessary to write a grant proposal related to your project.

Unit 2 Advanced Research Methods



Unit 1 topics will be developed by providing advanced practical training and data analysis methodology tailored to your specific research project.

Unit 4 Research Club



This unit promotes discussion, guided by a research leader, highlighting advances in biomedical research. Your ability to critically evaluate scientific literature will be developed.



Unit 5 Research project (120 credit points)

Students will undertake a 9-month project, which might involve laboratory or clinical-based investigations, or quantitative or qualitative analysis of data. Students will write a dissertation, consisting of an introduction based on a literature review of the field, materials and methods, and a combined results and discussion section. Students will give an oral presentation of their research findings at an end of year symposium.

What will I gain from the programme?

The 9-month project will give you a true taste of what it is like to work in cutting edge biomedical research and to explore whether a research/clinical academic career is of interest to you. It is anticipated students will present at a conference and that most will have the opportunity to publish the results of their research.

How do I get a place on the programme?

The course is open to all undergraduate medical, dental and veterinary students who are interested in pursuing a research intensive intercalation option. You can only register on the programme after completing three years of your clinical programme. Medical students should apply in Year 2 for post Year 3 enrolment. MRes application decisions will be made early so unsuccessful applicants can apply for intercalated BSc programmes. Preference will be given to applicants who can demonstrate an interest in research.

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