MPhil in Clinical Science – Experimental Medicine

Course Description

The objective of the course is to equip students with a strong foundation in the fundamental techniques of clinical and translational research in experimental medicine, applying contemporary research tools to clinically relevant areas of investigation. The bespoke experimental medicine research training will be taught by Cambridge academics and industry, and will incorporate a research project focused experimental medicine. Each student is allocated an individual supervisor, who will provide support throughout the course and help build a customised training programme.

The MPhil includes formal modular teaching in core experimental modules (Statistics, Epidemiology, and Practical Aspects of Clinical Research) as well as specialist modules in Clinical Pharmacology and Clinical Drug Development. In addition, all students will have the opportunity to undertake a relevant 12 week research projects with one of our outstanding supervisors, including clinicians across a range of specialties, bio-medical scientists and biomedical industry partners.

The course aims to provide students with broad research study and communications skills.

See the website http://www.graduate.study.cam.ac.uk/courses/directory/cvmdmptmt

Course detail

Upon successful completion of the MPhil graduates will have developed a strong foundation in the fundamental knowledge and techniques required to enable them to undertake clinical and translational research in experimental medicine. They will be able to apply contemporary research tools to clinically relevant areas of investigation.

The MPhil programme will produce clinical researchers who are competitive in seeking research support and who are knowledgeable about the complex issues associated with conducting sound clinical research and trials.

Format

The course consists of core modules in Practical Aspects of Clinical Research, Statistics, Epidemiology, as well as bespoke modules in Clinical Pharmacology and Clinical Drug Development timetabled over two terms. Students from both themes (Experimental Medicine and Rare Diseases) will have the opportunity to attend the modules of the other theme.

Students will be allocated mentor groups to work on a group research project; and all students will conduct their own individual supervised 12 week research project for which they will submit a thesis. The course is examined by two sat exams and thesis assessment.
Assessment

Students are expected to submit a thesis with a maximum word count of 15000 words.

Students will sit two exams of 2 hours each. The exams will be multiple choice questions and structured answer questions.

Students are required to present their work to their supervisors lab and a supervisor report is submitted to the programme directors - this is not assessed, but gives an indication of the progress of the student.

The course components are completed by the end of July. However, to complete the course, students will be required to attend a viva in person on a date (to be announced) in late August or early September.

Continuing

Students who are progressing well, have the support of a Principal supervisor, and have the necessary funding, may apply during the year to continue to do a PhD on successful completion of their MPhil. Such students will need to gain a pass mark of 70% or more in the MPhil examination.

Find out how to apply here http://www.graduate.study.cam.ac.uk/applying

Funding Opportunities

There are no specific funding opportunities advertised for this course. For information on more general funding opportunities, please follow the link below.

General Funding Opportunities: http://www.graduate.study.cam.ac.uk/finance/funding