MSc in Reproductive and Developmental Medicine

About the course
1 year full-time
This MSc course provides training in reproductive and developmental biology and medicine for scientists, clinicians or anyone wishing to pursue an interest in this field. Through the taught modules you’ll develop a solid understanding of reproductive science with relevance to current clinical applications. A breadth of processes will be covered from gonadal development and production of gametes through to pregnancy and parturition – with each module taught by leading scientists and clinicians in their field. In the second half of the course, you’ll undertake a research project to develop a depth of knowledge in a specialist topic and become equipped with valuable transferable skills for a range of biological careers.

Core modules
- Gonads to gametes: fundamentals of reproduction
- Research skills in reproductive medicine
- Fertilisation, implantation and embryology
- Fetal development, pregnancy and parturition
- Reproductive medicine and assisted conception
- Law, ethics and policy in reproductive medicine
- Research project

“Clinicians and scientists work alongside each other. It is an environment with plenty of opportunities to exchange ideas.”

Teaching
You will be taught by leading research scientists and clinicians giving you up-to-date knowledge of advances in the field and research experience with internationally-renowned research groups.
- Lectures
- Seminars
- Tutorials
- Student presentations
- Practical sessions
- Small group teaching
- Project placements

Study environment
Opened in 2001, the Jessop Wing is a purpose-built facility that houses a maternity unit, an assisted conception unit as well as the Academic Unit of Reproductive and Developmental Medicine (AURDM). You will be primarily based in the AURDM, which includes state of the art teaching and research laboratories equipped for molecular biology, microscopy and in vitro culture. You will also have further access to core facilities in The Medical School.

As an international leader in teaching and research the University of Sheffield has a world-wide reputation for quality. Sheffield is one of the cheapest places in the United Kingdom to live and study, and is one of the greenest cities in England where the Peak District National Park is only ten minutes away from the University.

www.sheffield.ac.uk/postgraduate/whyshef

Your career
Worldwide the incidence of infertility is increasing; hence the demand for training and careers in this sector is also increasing. This course is designed to open opportunities for graduates to enter clinical programmes in assisted conception, develop further a career in reproductive medicine or extend research interests and pursue doctoral studies.

Entry requirements
You will need a 2:1 in life sciences (biochemistry, biology, genetics, molecular biology), veterinary science or medicine. A 2:2 degree may be acceptable depending on an interview and assessment of your past achievements. Medical students can intercalate after completion of three years of their medical degree.

English language requirements
Overall IELTS grade of 6.5 or above, with a minimum of 6.0 in Reading, 6.0 in Writing, 6.5 in Listening and 6.0 in Speaking, or equivalent.

General enquiries
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