Molecular Pathology (MSc by Research)

Meeting NHS and industry needs for molecular pathologists in the genomic medicine era

nottingham.ac.uk/go/molecularpathology

For science and medicine graduates

Extensive laboratory based research project

Bursaries (£2000 each) available

Flexible distance-learning taught component
Molecular Pathology (MSc by Research)

Overview
The Molecular Pathology (MSc by Research) is a high quality flexible masters course designed to meet NHS and industry needs for molecular pathologists in the genomic medicine era.

Content
For science graduates (mainly in life sciences, genetics, biomedical sciences, pathology, biochemistry and microbiology), the course will:
- provide training for a career in life sciences/allied disciplines (including the area of molecular diagnostics)
- improve employability in the rapidly expanding market of molecular diagnostics
- be a source of continuing professional development for persons already employed in the molecular diagnostics or biotechnology industry
- be a firm foundation for NHS clinical scientists and biomedical staff in pathology to complete higher research training

For the medically qualified, the course is most suitable for those specialising in disciplines such as histopathology, oncology and clinical genetics.

Structure
The MSc in Molecular Pathology (180 credits) is a unique highly flexible blended programme with the taught component (60 credits) being delivered and assessed entirely as a distance learning programme whilst the research component (120 credits) is undertaken either within the University, industry or the NHS.

[Note: the 60 credits of taught modules are also available as a stand-alone PGCert for those who wish to undertake the taught component only.]

The extensive research project of 7 months will be undertaken in laboratories of repute within the Division of Cancer and Stem Cells, School of Medicine, and the Nottingham Molecular Pathology Node (NMPN).

Some of the research projects may be collaborative placements in industry including research partners such as Source BioScience. For such projects, there will be a named University supervisor and an industry based supervisor who will work in close collaboration.

Modules
Typical modules include:
- Genetics and gene regulation
- Statistics and bioinformatics
- Theoretical and applied molecular diagnostics in the NHS
- Research module

Entry requirements
An undergraduate degree in science or medicine (2:2 or above).
If your first language is not English you must achieve an overall IELTS score of at least 6.5 with no less than 6.0 in each element.

Bursaries for Home/EU students
There are eight bursaries worth £2,000 each for 2018 and 2019 entries. These will be offered on a first come first served basis and will be reimbursed to students following successful registration.

Important information
Application deadline: August
Course start date: September
Venue: Medical School, QMC, Nottingham, UK

Visit nottingham.ac.uk/go/molecularpathology for more information on this course.