MSc Molecular Medicine

Molecular medicine is a fast-moving subject and our one year MSc in Molecular Medicine has adapted every year since it began in 2005 to present new discoveries in the molecular basis of human health, disease and therapy. The course is designed with a choice of specialised pathways to allow you to focus on a particular field of interest. We accept graduates in animal and human biology or with clinical training. The Sheffield MSc in Molecular Medicine has proved to be an excellent grounding for a career in research.

The core
Scientific literature review, interpreting variation in the human genome, disease genetics, controlling immunity, understanding statistics and an introduction to the laboratory.

The Pathways
Cancer
Molecular basis of tumourigenesis and metastasis, high throughput techniques, molecular approaches to diagnosis and treatment.

Experimental Medicine
Molecular and cellular basis of diseases, modelling human diseases, approaches to novel therapies.

Cardiovascular
Vascular cell biology, Experimental models, disease therapy in clinical practice.

Genetic Mechanisms
Modelling gene networks and gene function, modelling protein interactions.

Microbes & Infection
Mechanisms of bacterial pathogenicity; Characterisation of bacterial virulence determinants. Virulence mechanisms of viruses and fungi.

Clinical Applications
for MBBS/MBChB graduates (and equivalent). Clinical management of globally significant infectious diseases: Research Project or Clinical Observations.

*subject to approval

see our website
www.sheffield.ac.uk/molmed