University of Birmingham

Clinical and Molecular Genetics PhD/MD/MSc by Research

The sequencing of the human genome and advances in high-throughput genetic technologies have provided unrivalled opportunities for research in human genetics. The Medical and Molecular Genetics group offers a thriving research environment for genetics research, with expertise in gene identification, functional genomics and animal models of human diseases.

Course fact file

Type of Course: Doctoral research

Study Options: Full time, part time

Duration: PhD – 3 years full-time, 6 years part-time; MSc by Research – 1 year full-time, 2 years part-time; MD – 2 years minimum part-time

Start date: Research degrees may start at any time of the year, though for most this will be September each year

Contact

College of Medical and Dental Sciences Graduate School: **mds-gradschool@contacts.bham.ac.uk (mailto:)**

You can contact us on +44 (0)121 414 5005

School of Clinical and Experimental Medicine (/schools/cem/index.aspx)

Follow us on Twitter (http://twitter.com/unibirm_MDS)

Details

The sequencing of the human genome and advances in high-throughput genetic technologies have provided unrivalled opportunities for research in human genetics.

The Medical and Molecular Genetics group (Lead: Professor Eamonn Maher) offers a thriving research environment for genetics research, with expertise in gene identification, functional genomics and animal models of human diseases.

Research is grouped into two complementary and overlapping fields: cancer genetics and genome stability and developmental and metabolic genetics and epigenetics and imprinting. Facilities include high throughput DNA sequencing and microarray platforms, the National Autozygosity Mapping resource, and a zebrafish models of disease facility.

Fees and funding

Standardfees (/postgraduate/dr-fees/tuition.aspx) apply, although in some projects a bench fee is also payable
Learn more about **feesand funding (/postgraduate/dr-fees/index.aspx)**

Scholarships and studentships
A number of studentships are available each year, funded by major sponsors including the British Heart Foundation (BHF), the Medical Research Council (MRC) and the Wellcome Trust, as well as national and local charities. UK/EU students should contact the School directly for further information. For general scholarship enquiries email **sfo@contacts.bham.ac.uk (mailto:sfo@contacts.bham.ac.uk)**

International students can often gain funding through overseas research scholarships, Commonwealth scholarships or their home government.

Entry requirements

Learn more about **entry requirements (/postgraduate/requirements-dr/step1.aspx)**

International students
We accept a range of qualifications from different countries – learn more about **international entry requirements (/postgraduate/requirements-dr/step1.aspx)**

Standard English language requirements (/postgraduate/requirements-pgt/international/index.aspx) apply

How to apply

When clicking on the Apply Now button you will be directed to an application specifically designed for the programme you wish to apply for where you will create an account with the University application system and submit your application and supporting documents online. Further information regarding how to apply online can be found on the **How to apply pages (http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx)**

Apply now (https://pga.bham.ac.uk/lpages/MDS043.htm)

Research interests of staff

Before submitting an application to the University, you will need to identify potential supervisors in your desired field of research in order that you can indicate this in your application. There will be a delay in processing your application if this information is not provided. You can view the research interests of our staff, and search for an opportunity via our **Doctoral Researchers search engine (http://www.birmingham.ac.uk/postgraduate/courses/findaphd.aspx)**.

Employability

Following graduation, Postgraduate Researchers in the College MDS gain employment in a variety of areas though with a majority continuing in research, mostly in Academia but also in the Health, Pharmaceutical, and Biotechnology sectors. Others pursue careers in Education, Publishing, Intellectual Property Protection, Technology Innovation, Business, and more besides.

Find out more about where our postgraduate students go (/Documents/college-mds/courses/postgraduate/employability-info/employabilityinfo-cem-jan2014.pdf)

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