University of Birmingham

Medicine PhD/MD/MSc by Research

Our current research covers a wide portfolio of basic, translational and clinical research focusing on: adrenal and gonadal steroids; thyroid cancer; thyroid dysfunction; fetal and reproductive endocrinology; pituitary disease; and auto-immunity.

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

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

Endocrinology, Diabetes and Metabolism

Hormones and Genes research (Endocrinology, Diabetes and Metabolism and Genetics) represents a significant research strength within the College of Medical and Dental Sciences. Current research covers a wide portfolio of basic, translational and clinical research focusing on adrenal and gonadal steroids, thyroid cancer, hyroid dsyfunction, fetal and reproductive endocrinology, pituitary disease, and auto-immunity. Ongoing studies employ a broad range of *in vitro* and *in vivo* approaches including mouse transgenic and knockout models, as well as clinical translational and interventional studies carried out in the Wellcome Trust Clinical Research Facility immediately adjacent to the Institute of Biomedical Research, the lab base for most of the Endocrine and Diabetes Groups, Clinical research is also enhanced by close interaction with the University Hospital Birmingham and cohort and database studies (thyroid disease, pituitary disease, and adrenal disease).

Respiratory Medicine

Research focuses on investigating the factors governing neutrophil differentiation, activation and recruitment as processes that determine the degree of tissue damage resulting in the establishment and progression of chronic lung disease. Major interests include chronic chest infections and the role of proteinases and proteinase inhibitors in this process.

Fees and funding

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

Related news and events

University and Trust sign up to historic health partnership (/research/impact/our/news/items/Birmingham-Health-Partners.aspx)

Birmingham scientists discover 'how to stop your immune system from killing you' (/research/impact/our/news/items/immunity-hoover.aspx)

Drop in new drugs output 'a myth' (/research/impact/our/news/items/drugs-output.aspx)

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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