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Pharmacology PhD/MSc by Research

Our research specialisms are in modern cellular and molecular techniques, with an emphasis on neuropharmacology. Research areas include radioligand binding and autoradiography; in situ hybridisation; immunocytochemistry; microdialysis; cell culture; neurotransmitter, enzyme, second messenger and metabolite assays; cellular morphometry; pharmacodynamic modelling; cDNA cloning and site-directed mutagenesis.

Study here and find out why the University of Birmingham has been awarded The Times and The Sunday Times University of the Year 2013-14 (http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx)

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

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

Contact

Head of College of Medical and Dental Sciences Graduate School: **Professor Steve Watson (/staff/profiles/cem/CVRS/Watson-Steve.aspx)**

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

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Fees and funding

Standard fees (/postgraduate/dr-fees/tuition.aspx) apply, although in some projects a bench fee is also payable
Learn more about **fees and funding (/postgraduate/dr-fees/index.aspx)**
(/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. International students can often gain funding through overseas research scholarships, Commonwealth scholarships or their home government.

For further information contact the School directly or email **sfo@contacts.bham.ac.uk (mailto:sfo@contacts.bham.ac.uk)**

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

Drop in new drugs output 'a myth' (/research/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. To do this, you can browse the “research interests” tab on the course

finder pages which identifies research leads by subject area.

Alternatively you can:

- Search for an advertised postgraduate research opportunity via our **Doctoral Researchers search engine (http://www.birmingham.ac.uk/postgraduate/courses/findaphd.aspx)**
- Browse the school websites. Most schools provide a list of research active staff and their research interests on their website
- **Neurochemical correlates for neurological and psychiatric disorders, and role of 5-HT systems.**
  Contact: **Professor Nicholas Barnes (/staff/profiles/cem/neubio/barnes-nicholas.aspx)**
- **The pharmacology of pain and pain relief.**
  Contact: **Dr Kevin Whitehead (/staff/profiles/cem/neubio/Whitehead-Kevin.aspx)**
- **The pharmacology and physiology of peripheral autonomic transmission; particularly the regulation of calcium in sympathetic nerve terminals and smooth muscle.**
  Contact: **Dr Keith Brain (/staff/profiles/cem/neubio/Brain-Keith.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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