# University of Birmingham

# Pharmaceutical Enterprise MSc/PG Diploma

- **View video transcript (/accessibility/transcripts/mds/pharma-enterprise-068.aspx)**

The MSc Pharmaceutical Enterprise programme is an applied multidisciplinary course designed for entrepreneurial high-achieving individuals with ambition to take leading roles in SME pharmaceutical companies.

As the major pharma business model changes, established and emerging SME pharmaceutical companies are increasingly delivering novel candidate pharmaceuticals (small molecules and biologicals). This trend is expected to continue and offers a very nourishing environment for spin-out and other SME pharmaceutical companies that require high calibre personnel who are knowledgeable about all aspects of pharmaceutical enterprise.

**Study here and find out why the University of Birmingham was 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:** Continuing professional development, taught

**Study Options:** Full time

**Duration:** 1 year full-time

**Start date:** September 2014

## Contact

For further information please contact:

Professor Nicholas Barnes
e: **pharmaenterprise@contacts.bham.ac.uk (mailto:pharmaenterprise@contacts.bham.ac.uk)**

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

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**Contact us on Facebook (http://facebook.com/collegemds)**

## Details

The MSc Pharmaceutical Enterprise programme is delivered by experts in the field, many with on-going experience of the sector; and this ensures the programme maintains relevance in this fast moving industry.

The interactive teaching equips you with the medical, scientific, regulatory and business skills to achieve success. Internships and consultancy project opportunities arising from associated SME companies offer highly prized 'real life' experiences.

The MSc Pharmaceutical Enterprise programme aims to provide you with a toolbox of skills to enable you to:

- select, develop and commercialise projects with therapeutic potential
- create, seek funding and take leading executive roles in companies to exploit the commercial potential of projects in a spin-out/SME environment

## Why study this course

- This programme is delivered by high calibre practitioners (business, research and teaching) who are experts in their field.
- Practitioners include those with experience of executive roles in SME pharmaceutical companies including the Programme Director, **Professor Nicholas Barnes (/staff/profiles/cem/neubio/barnes-nicholas.aspx)**, who is the Principle Founder and CEO of Celentyx Ltd, a successful venture capital backed pharmaceutical company. He is also Professor of Neuropharmacology at the University of Birmingham.
- The University has strong links to several large and SME pharmaceutical companies and has a successful track record in translational medicine and commercialisation facilitated by the External Commercialisation Board (**www.birmingham.ac.uk/mds-ecb (http://www.birmingham.ac.uk/mds-ecb)**); members of which contribute to the MSc Pharmaceutical Enterprise programme.

## Modules

Modules include:

- **early drug discovery research (/postgraduate/courses/taught/med/pg-modules/early-drug-discovery.aspx)**
- **drug development to IND and to market (/postgraduate/courses/taught/med/pg-modules/drug-development-to-IND-and-to-market.aspx)**
- **drug IP management and commercialisation (/postgraduate/courses/taught/med/pg-modules/drug-IP-management-and-commercialisation.aspx)**
- **contract research organisations and drug development (/postgraduate/courses/taught/med/pg-modules/contract-research-organisations-and-drug-development.aspx)**

- **the pharmaceutical SME: corporate governance, legislation and finance (/postgraduate/courses/taught/med/pg-modules/the-pharmaceutical-small-or-medium-enterprise.aspx)**
- **funding a start-up pharmaceutical company (/postgraduate/courses/taught/med/pg-modules/funding-a-start-up-pharmaceutical-company.aspx)**
- **pharmaceutical consultancy group project (/postgraduate/courses/taught/med/pg-modules/pharmaceutical-consultancy-group-project.aspx)**
- **pharmaceutical enterprise; dissertation project (/postgraduate/courses/taught/med/pg-modules/dissertation-pharmaceutical-enterprise.aspx)**

Please note: programmes evolve continually to keep them up to date so please check the website regularly for any changes

## Fees and funding

**2014/15 course fees**

**UK/EU students**

MSc - £9630, PGDip - £6420

**Non EU/UK**

MSc -£19,250

Self funding students can choose to pay in instalments by **direct debit (http://www.birmingham.ac.uk/students/fees/postgraduate/index.aspx)** .

Learn more about **fees and funding (/postgraduate/pgt-fees/fees.aspx)** .

**Scholarships**

The College of Medical and Dental Sciences is offering a number of **Global Scholarships for Excellence (/university/colleges/mds/postgraduate/global-scholarships.aspx)** for outstanding Home/EU and International students on our postgraduate taught programmes.

For 2015 entry the **Birmingham Masters Scholarship Scheme (http://www.birmingham.ac.uk/postgraduate/funding/Birmingham-Masters-Scholarship-Scheme.aspx?utm_source=homepage&utm_medium=banner&utm_campaign=birmingham-masters-scholarship-scheme)** offers 224 new £10,000 scholarships available for Masters students from under-represented groups.

International students can often gain funding through overseas research scholarships, Commonwealth scholarships or their home government. Visit our website for information about **scholarships for international students (/International/students/finance/scholarships/index.aspx)** .

For information about all Home/EU and International funding opportunities please visit the **Postgraduate Funding Database (/postgraduate/funding/FundingFilter.aspx)** .

For other funding queries contact the School directly or get in touch with the Student Funding Office via the **online enquiries system (https://universityofbirmingham.service-now.com/ASStudent/)** .

## Entry requirements

You will need a relevant degree with at least a 2:1 or equivalent to enter this programme. This can include a business or science based degree.

**International students:**

**Academic requirements**

We accept a range of qualifications, our **country pages (http://www.birmingham.ac.uk/international/students/country/index.aspx)** show you what qualifications we accept from your country.

**English language requirements**

You can satisfy our English language requirements in two ways:

- by holding an **English language qualification to the right level (http://www.birmingham.ac.uk/students/requirements/requirements-pg/international/index.aspx)**
- by taking and successfully completing one of our **English courses for international students (http://www.birmingham.ac.uk/students/requirements/requirements-pg/international/english-courses.aspx)**

English to IELTS 7.0 (with a minimum of 6.5 in each component).

## 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/MDS044.htm)**

## Related links

**Pharmaceutical Course Flyer (/Documents/college-mds/course-flyers/Pharmaceutical.pdf)**

## Related news and events

**Birmingham excels in world rankings (/news/latest/2014/08/birmingham-excels-in-world-rankings.aspx)**

## Learning and teaching

For more information about some of the external experts that will be lecturing on this programme see the profiles below:

**Nigel Barnes (/schools/pharmacy/staff/profile-external/nigel-barnes.aspx)**

**Christine Carrington (/schools/pharmacy/staff/profile-external/christine-carrington.aspx)**

**Rachael Hart (/schools/pharmacy/staff/profile-external/rachael-hart.aspx)**

**Robert Newman (/schools/pharmacy/staff/profile-external/robert-newman.aspx)**

**Robert Perry (/schools/pharmacy/staff/profile-external/robert-perry.aspx)**

**Stephen Reese (/schools/pharmacy/staff/profile-external/stephen-reese.aspx)**

**Jonathan Watkins (/schools/pharmacy/staff/profile-external/jonathan-watkins.aspx)**

For more information about the academic staff please see the names below:

**Luke Alderwick (/staff/profiles/biosciences/alderwick-luke.aspx)**

**Nicholas Barnes (/staff/profiles/cem/neubio/barnes-nicholas.aspx)**

**Hannah Batchelor (/staff/profiles/cem/PT/Batchelor-Hannah.aspx)**

**Sam Butterworth (/staff/profiles/cem/PT/Butterworth-Sam.aspx)**

**Paul Foster (/staff/profiles/cem/EDM/Foster-Paul.aspx)**

Laura Gathercole

**Mary Keen (/staff/profiles/cem/PT/Keen-Mary.aspx)**

**Gareth Lavery (/staff/profiles/cem/EDM/Lavery-Gareth.aspx)**

Fiyaz Mohammed

**Tim Overton (/staff/profiles/chemical-engineering/overton-tim.aspx)**

Naeem Shaquat

**Attila Sik (/staff/profiles/cem/neubio/Sik-Attila.aspx)**

As a Birmingham student, you will be joining the academic elite and will have the privilege of learning from world-leading experts, as well as your peers. From the outset you will be encouraged to become an independent and self-motivated learner. We want you to be challenged and will encourage you to think for yourself.

You will have access to a comprehensive support system that will assist and encourage you, including personal tutors and welfare tutors who can help with both academic and welfare issues.

## Our facilities

The College of Medical and Dental Sciences houses state-of-the art facilities to support a range of teaching, learning and research activity.

Our facilities ensure that students receive the best possible learning experience by working in a modern environment. Among our most recent developments include a refurbishment of the Medical School foyer, Barnes library and Wolfson Centre for Medical Education.

Explore our facilities and take a tour by moving around our 360-degree panoramas:

ERROR:

Adobe Flashplayer 10.1 (or higher) or a
HTML5 Browser with CSS 3D Transforms or WebGL support are required!

## Related staff

**Professor Nicholas Barnes (/staff/profiles/cem/neubio/barnes-nicholas.aspx)**

## Employability

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

### Careers Support for Postgraduates

**Careers Network – We can help you get ahead in the job market and develop your career.**

We recognise that as a postgraduate student you are likely to have specific requirements when it comes to planning for your next career step. Employers expect postgraduates to have a range of skills that exceed their subject knowledge. Careers Network offers a range of events and support services that are designed for all students, including postgraduates looking to find their niche in the job marketHere are just a few ways in which we can help postgraduates to get ahead:

- Careers Networking opportunities
- Effective careers strategy toolkit
- Year planner for all postgraduate students
- Masters Career Coaching Workshops
- One to one careers guidance

The Careers Network also have subject specific careers consultants and advisers for each College so you can be assured the information you receive will be relevant to your subject area. They also have a dedicated careers website for international students where you can find useful resources and information.

For more information visit the **Careers Network (https://intranet.birmingham.ac.uk/as/employability/careers/index.aspx)** website.



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