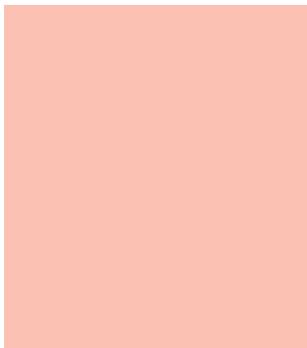
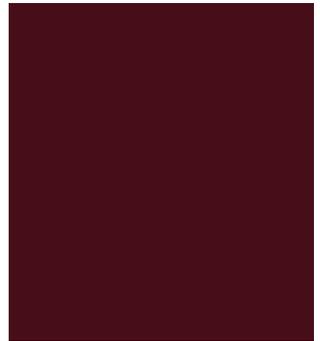
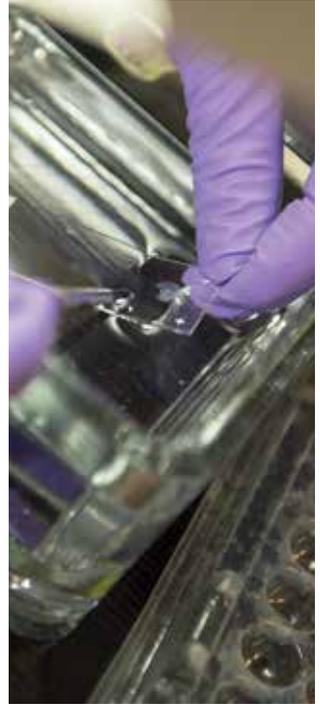




University of  
BRISTOL

# Pharmacology Undergraduate



Having decided I would like to make a career change at the age of forty, I came to Bristol University and undertook a degree in pharmacology. Although this seemed daunting at times I had a wealth of support from the University and always felt like I was being taught by the best of the best. Having completed my degree, I didn't want to leave, so decided to carry on my studies as a PhD student. This is hugely rewarding and it is great to feel part of the science community here at Bristol.

**Jane**

BSc Pharmacology 2009  
Research Assistant, School of Physiology and Pharmacology



## Why study pharmacology at Bristol?

Pharmacology is the study of the action of 'drugs' in the widest possible sense, encompassing many types of chemicals and medicines that affect the functioning of the body.

For students who are drawn to this fascinating subject, Bristol's degree in pharmacology delivers a rigorous training for many careers in bioscience and medicine alongside transferable skills valued by employers beyond the scientific world.

You will benefit from:

- innovative educational resources: *eBiolabs*, our dynamic laboratory where you can rehearse your lab skills; a human patient simulator and an online histology virtual microscope;
- excellent teaching labs where you will receive hands-on experience in advanced techniques throughout your undergraduate course;
- a £5 million Centre for Excellence in Teaching and Learning (CETL) in Applied and Integrated Medical Sciences;
- training in presentation skills, experimental design, data handling, scientific writing, biomedical research, ethics and enterprise;

- cutting-edge facilities for research in neuropharmacology, cell signalling and cardiovascular pharmacology;
- a lively and enthusiastic teaching environment where you will study with leading scientists and clinicians;
- year in industry opportunities with top biotechnology and pharmaceutical firms, and research institutes;
- automatic enrolment as a British Pharmacological Society member.

88%

of students are satisfied overall with the quality of the course

(National Student Survey 2014)



## What will I study?

### Single Honours courses

BSc Pharmacology, three years	B210
MSci Pharmacology with Study in Industry, four years	B211

You will study pharmacology and a choice of optional units in each of your first two years, including a mandatory unit in understanding body function in year one. Pharmacology is closely related to several scientific disciplines and your optional units in years one and two will cover subjects such as anatomy, physiology, biochemistry, and cellular and molecular medicine. This gives you an excellent multidisciplinary grounding. A second-year unit in biomedical science skills covers aspects of data interpretation, data analysis, presentation skills and an introduction to understanding scientific literature.

In your final year, you will focus entirely on pharmacology, taking units from within the School of Physiology and Pharmacology. Students on the BSc will undertake a research project, drawing on the expertise of our academic staff, while those on the MSci will undertake additional advanced study in place of the research project.

### Assessment

#### Years one and two

Assessment is primarily by end-of-unit exams. In addition there is assessment of coursework, including dissertations, essays and practical work, all of which contribute to the end-of-unit mark.

#### Final year

Assessment is mainly based on end-of-year written exams. In addition there is assessment of coursework including your research project. For MSci Pharmacology with Study in Industry you are required to write an approved report following the completion of your year in industry.

### Teaching methods

During your first year, you will usually attend nine weekly lectures, three practical classes and a small group tutorial or a Directed Self Education and Computer-Assisted Learning tutorial.

### Dissertation

You will undertake group-based clinical and web-based pharmacological library projects in your first year, focusing on a specific drug of interest and disease area. If you are studying towards the BSc you will complete an independent research project in your final year, on which you will write a dissertation, which is submitted as part of your final degree mark.

If you are studying towards the MSci, you will submit a dissertation following your industrial placement, and in your final year complete a research grant application project. During your second year, you will have the opportunity to apply for Nuffield, British Pharmacological Society and Wellcome Scholarships to carry out summer placement projects.

91%

of students agree staff are good at explaining things

(National Student Survey 2014)



## What are my career prospects?

A degree in pharmacology opens up many rewarding career opportunities. You could join a pharmaceutical or biotech company as a researcher and be part of a team involved in the discovery of new drugs which may affect the lives of millions of people. Alternatively, you may be more interested in the product management side of the industry, or in applying your skills to areas such as marketing and medical information, where you act as the link between the pharmaceutical company and doctors and patients.

Typically, about 40 per cent of Bristol pharmacology graduates enter employment in areas of research, finance, financial consultancy, NHS, accountancy, management, medical sales and the public sector. Around half of our graduates go on to further study or embark on medical, veterinary or dental training.

# 85%

of students go on to work or further study within six months of graduating\*

\*Destination of Leavers from Higher Education survey 2012/13



## Making your application

### Typical offer for BSc Pharmacology\*

Visit [bristol.ac.uk/ug16-pharmacology](http://bristol.ac.uk/ug16-pharmacology) for other qualifications

**A-levels** AAB (contextual ABB<sup>†</sup>) including Chemistry and one other science subject or Mathematics

**IB Diploma** 34 overall (contextual 32<sup>†</sup>) to include 17 points at higher level with 6, 5 in any order in Chemistry and one other science or mathematics subject at higher level

**English Language Profile** E<sup>††</sup>

**GCSEs** Grade B in Mathematics and two sciences; grade C in English Language

<sup>†</sup>For information on contextual offers, visit

[bristol.ac.uk/ug-apply/#typical-contextual-offers](http://bristol.ac.uk/ug-apply/#typical-contextual-offers)

<sup>††</sup>For details of English language profiles, visit [bristol.ac.uk/ug-language-requirements](http://bristol.ac.uk/ug-language-requirements)

**Selection** UCAS or Common Application  
**Deferred entry** Welcomed

\*The typical offer is indicative only and is correct at the time of printing (June 2015). The University reserves the right to vary its entry requirements. For the most up-to-date information, visit [bristol.ac.uk/ug-study](http://bristol.ac.uk/ug-study).

Applicants should normally be taking A-levels in three subjects, which must include Chemistry and one other science subject, and which may include Mathematics. We would not normally include General Studies in the terms of a conditional offer.

Applicants should demonstrate a clear desire to study pharmacology; this may take the form of wider reading in areas of interest that are not necessarily covered in school work. Pharmacology-related work experience is not necessary but any involvement in science-based work experience or other science activity would be helpful. We welcome applications from mature candidates and those with non-standard qualifications. We will invite you to attend a visit day after we have made you an offer.

### Further information

Find out more about the School of Physiology and Pharmacology: [bristol.ac.uk/phys-pharm](http://bristol.ac.uk/phys-pharm).

eBioLabs Dynamic Laboratory Manual:

[bristol.ac.uk/ebioblabs](http://bristol.ac.uk/ebioblabs).



## Contacts

### Undergraduate Admissions Office

**Tel** +44 (0)117 394 1641

**Fax** +44 (0)117 331 7391

**Email** [medsciences-ug-admissions@bristol.ac.uk](mailto:medsciences-ug-admissions@bristol.ac.uk)

### Accommodation Office

**Tel** +44 (0)117 954 6640

**Email** [accom-office@bristol.ac.uk](mailto:accom-office@bristol.ac.uk)

**[bristol.ac.uk/accommodation](http://bristol.ac.uk/accommodation)**

### Disability Services

**Tel** +44 (0)117 331 0444

**Email** [disability-services@bristol.ac.uk](mailto:disability-services@bristol.ac.uk)

**[bristol.ac.uk/disability-services](http://bristol.ac.uk/disability-services)**

### International Advice and Support

**Tel** +44 (0)117 331 8572

**Email** [os-as@bristol.ac.uk](mailto:os-as@bristol.ac.uk)

**[bristol.ac.uk/international-office](http://bristol.ac.uk/international-office)**

### Student Funding Office

**Tel** +44 (0)117 331 7972

**Email** [student-funding@bristol.ac.uk](mailto:student-funding@bristol.ac.uk)

**[bristol.ac.uk/fees-funding](http://bristol.ac.uk/fees-funding)**

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Undergraduate study website  
**[bristol.ac.uk/ug-study](http://bristol.ac.uk/ug-study)**

 **@ChooseBristolUG**

 **[bristol.ac.uk/vip](http://bristol.ac.uk/vip)**

 **UniversityofBristol**



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The information contained in this leaflet is correct at the time of printing (June 2015). Courses and facilities are liable to alter or be withdrawn at the University's discretion.

