

Course Information Sheet for entry in 2021-22: MSc in Pharmacology



About the course

The aim of the MSc taught course in Pharmacology is to provide students with the necessary theoretical knowledge and practical training that will enable them to integrate post-genomic molecular biology with physiological function and drug discovery.

The course is taught over one year from October to September, comprising three 10-week terms and a fourth summer term.

The first term covers core material using lectures, seminars and practical work, and aims to ensure that all students achieve the core knowledge of the principles and practice of pharmacology. The subjects covered include cell and receptor pharmacology, tissue and organism pharmacology, and pharmacology of the nervous system. At the end of the term, students sit a computer-based qualifying exam; passing this exam allows them to continue the course.

At the start of the second term, students follow a short course in quantitative pharmacology, covering aspects of receptor pharmacology and pharmacokinetics.

During the following weeks, students attend a series of seminars organised into five modules:

- Cardiovascular Pharmacology
- Cell Signalling
- Neuropharmacology I: Neurodegeneration
- Neuropharmacology II: Psychopharmacology
- Drug Discovery.

Seminars are combined with weekly laboratory sessions, discussion forums, journal clubs and critical essay writing. Students are expected to spend 15 hours per week on independent reading throughout the first and second terms.

The third term is mainly taken up by a hypothesis-driven research project which is expected to involve four months of experimental work, extending throughout the term and into the long vacation term. Every year one or two students may choose to perform their research projects abroad at the University of Queensland in Australia.

Applicants are advised to visit the Department of Pharmacology website to obtain further information on training relevant for the course.

Supervision

The allocation of graduate supervision for this course, either within the Department of Pharmacology or other University departments, is the responsibility of the Department of Pharmacology and it is not always possible to accommodate the preferences of incoming graduate students to work with a particular member of staff. Project supervisors may be found outside the Department of Pharmacology subject to approval from the department.

In the case of students who require specific help to adjust to an academic programme or to a new range of skills, the Course Director will work with them to ensure that they have additional support.

Assessment

The short quantitative course, which takes place at the start of the second term, will be examined in a three-hour written paper.

The work covered in the five modules is examined in a written paper where students are required to answer three essay questions from five different modules, thus allowing them to specialise in options for revision.

At the end of the third term, students submit their dissertation and produce a poster presenting their research project. The latter forms the basis for a final oral examination.

Changes to courses

The University will seek to deliver this course in accordance with the description set out above. However, there may be situations in which it is desirable or necessary for the University to make changes in course provision, either before or after registration. These may include significant changes made necessary by a pandemic (including Covid-19), epidemic or local health emergency. For

further information, please see the University's Terms and Conditions (<http://www.graduate.ox.ac.uk/terms>) and our page on changes to courses (<http://www.graduate.ox.ac.uk/coursechanges>).

Expected length of course

| | Full Time Only |
|-----------------|----------------|
| Expected length | 12 months |

Costs

Annual fees for entry in 2021-22

| Fee status | Annual Course fees |
|---|--------------------|
| Home (UK, Republic of Ireland, Channel Islands & Isle of Man) | £11,320 |
| Overseas (including EU) | £24,450 |

Course fees are payable each year, for the duration of your fee liability (your fee liability is the length of time for which you are required to pay course fees). For courses lasting longer than one year, please be aware that fees will usually increase annually. Information about how much fees and other costs may increase is set out in the University's Terms and Conditions.

Course fees cover your teaching as well as other academic services and facilities provided to support your studies. Unless specified in the additional cost information (below), course fees do not cover your accommodation, residential costs or other living costs. They also don't cover any additional costs and charges that are outlined in the additional cost information.

Additional cost information

There are no compulsory elements of this course that entail additional costs beyond fees and living costs. However, please note that, depending on your choice of research topic and the research required to complete it, you may incur additional expenses, such as travel expenses, research expenses, and field trips. You will need to meet these additional costs, although you may be able to apply for small grants from your department and/or college to help you cover some of these expenses.

Living costs

In addition to your course fees, you will need to ensure that you have adequate funds to support your living costs for the duration of your course.

The likely living costs for 2021-22 are published below. These costs are based on a single, full-time graduate student, with no dependants, living in Oxford. We provide the cost per month so you can multiply up by the number of months you expect to live in Oxford.

Likely living costs for 2021-22

| | Likely living costs for 1 month | | Likely living costs for 9 months | | Likely living costs for 12 months | |
|--------------------------|---------------------------------|-------------|----------------------------------|-------------|-----------------------------------|-------------|
| | Lower range | Upper range | Lower range | Upper range | Lower range | Upper range |
| Food | £280 | £400 | £2,520 | £3,600 | £3,360 | £4,800 |
| Accommodation | £655 | £790 | £5,895 | £7,110 | £7,860 | £9,480 |
| Personal items | £130 | £250 | £1,170 | £2,250 | £1,560 | £3,000 |
| Social activities | £45 | £115 | £405 | £1,035 | £540 | £1,380 |
| Study costs | £45 | £100 | £405 | £900 | £540 | £1,200 |
| Other | £20 | £55 | £180 | £495 | £240 | £660 |
| Total | £1,175 | £1,710 | £10,575 | £15,390 | £14,100 | £20,520 |

When planning your finances for any future years of study at Oxford beyond 2021-22, you should allow for an estimated increase in living expenses of 3% each year.

More information about how these figures have been calculated is available at www.graduate.ox.ac.uk/livingcosts.

Document accessibility

If you require an accessible version of the document please contact Graduate Admissions and Recruitment by email (graduate.admissions@admin.ox.ac.uk) or via the online form (<http://www.graduate.ox.ac.uk/ask>).