

Course Information Sheet for entry in 2023-24: MSc in Applied Cancer Science



About the course

The MSc in Applied Cancer Science is a one-year, full-time course, designed to develop cancer research scientists of the future, whether that be in academia or in industry.

High-quality understanding of fundamental cancer science is the bedrock of future cancer innovations. The main aim of this course is to provide you with an in-depth understanding of the principles of DNA damage and repair processes, the tumour microenvironment, and tumour immunology and to discuss how this science is used in cutting-edge research towards future therapies.

The course is based on a series of overarching learning outcomes, which you will be able to demonstrate on completion of your studies:

- Critically analyse the importance of understanding the DNA damage repair response for cancer research and treatment
- Evaluate how in-depth knowledge of tumour characteristics can be utilised in targeting cancer therapy
- Critically discuss the application of principles of immunology when studying and developing treatments for cancer
- Conduct, and explain the principles behind, essential experimental techniques required in modern cancer science
- Demonstrate originality in the application of existing knowledge and established techniques to create and interpret new developments in cancer science
- Critically discuss the challenges of translating new discoveries in therapeutics for clinical use
- Apply the scientific method to address research questions within the field of cancer science

Compulsory modules

You will take eight compulsory modules, which are delivered in two-week blocks, following on from each other:

1. Genome Regulation
2. The Cancer Cell
3. The Tumour Niche
4. Cancer Immunology
5. DNA and Cellular Targeted Therapies
6. Tumour Microenvironment Targeted Therapies
7. Immunological Therapies
8. Translational Research Methods and Applications

Modules one to four are delivered in Michaelmas term and cover the underpinning principles of cancer biology, starting at the level of the DNA before covering the behaviour of individual cancer cells, then tumours, and extending out to discuss the interactions between cancer and the immune system by the end of the term.

Modules five to eight are delivered in Hilary term and cover the application of the underpinning principles of cancer science from the previous term to the development of therapeutic strategies to target different characteristics of cancer.

Balance of teaching

You can expect to receive seven to eight lectures and three to four tutorial or practical classes per module. There will also be preparatory reading, independent study tasks, and formative assessments set throughout the course, to be completed in the non-contact hours. Alongside the module specific tutorials, you will also attend a series of compulsory Directors' Tutorials throughout the year. These cover overarching themes such as critiquing a scientific paper, or essay writing skills, and help to prepare you for specific assessment methods, including the dissertation.

Supervision

The allocation of graduate supervision is the responsibility of the Department of Oncology and it is not always possible to accommodate the preferences of incoming graduate students to work with a particular member of staff. Under exceptional circumstances a supervisor may be found outside the Department of Oncology.

You will be assigned a Director of Studies from the course team, who will help you review your progress, and discuss any concerns you have; your Director of Studies and the course administration team will usually be your first port of call for any queries about your studies. You will also have an advisor at your Oxford college, to whom you can turn if you feel you need to discuss your progress, or anything else pertinent to your study, away from the course team. During the research project you will be allocated a project supervisor who will be responsible for your supervision and training. It is recommended that you arrange meetings with your supervisor on a regular basis, at least every two weeks.

Assessment

Taught modules are assessed by a mixture of submitted coursework, presentations, and timed assessments such as examinations. The taught modules are assessed at the end of the term in which they are delivered. The dissertation is assessed by a written thesis and a poster presentation at the end of the academic year.

You will have the opportunity to submit formative assignments to develop your writing and presenting skills and receive feedback prior to completing your summative assessed work.

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	1 year

Costs

Annual fees for entry in 2023-24

Fee status	Annual Course fees
Home	£12,510
Overseas	£29,100

Information about course fees

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 (<http://www.graduate.ox.ac.uk/terms>).

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.

Graduate students who have reached the end of their standard period of fee liability may be required to pay a termly University and/or a college continuation charge.

The University continuation charge, per term for entry in 2023-24 is £572, please be aware that this will increase annually. For part-time students, the termly charge will be half of the termly rate payable by full-time students.

If a college continuation charge applies (not applicable for non-matriculated courses) it is likely to be in the region of £100 to £600 per term. Please contact your college for more details.

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.

If you are studying part-time your living costs may vary depending on your personal circumstances but you must still ensure that you will have sufficient funding to meet these costs for the duration of your course.

The likely living costs for 2023-24 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 one month

	Lower range	Upper range
Food	£300	£470
Accommodation	£715	£860
Personal items	£180	£305
Social activities	£40	£90
Study costs	£35	£80
Other	£20	£35
Total	£1,290	£1,840

Likely living costs for nine months

	Lower range	Upper range
Food	£2,700	£4,230
Accommodation	£6,435	£7,740
Personal items	£1,620	£2,745
Social activities	£360	£810
Study costs	£315	£720
Other	£180	£315
Total	£11,610	£16,560

Likely living costs for twelve months

	Lower range	Upper range
Food	£3,600	£5,640
Accommodation	£8,580	£10,320
Personal items	£2,160	£3,660
Social activities	£480	£1,080
Study costs	£420	£960
Other	£240	£420
Total	£15,480	£22,080

When planning your finances for any future years of study at Oxford beyond 2023-24, it is suggested that you allow for potential increases in living expenses of 5% or more each year – although this rate may vary significantly depending on how the national economic situation develops.

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>).