

Course Information Sheet for entry in 2017-18

DPHil in Genomic Medicine and Statistics

About the course

Genomic technologies have transformed biomedical research over the last decade and are now having significant impacts on the practice of clinical medicine. The widespread effective application of genome sequencing in the clinic requires a new generation of appropriately trained researchers able to help deliver this promise and take advantage of unparalleled research opportunities.

Complementing this, large-scale population biobanks are bringing together extensive genomic and phenotypic information on millions of individuals, while new genome editing and single cell genomics techniques are offering novel and powerful approaches to understanding biology.

This four-year DPhil programme trains future scientific leaders who will work at the cutting edge of genomic technologies in biomedical research and who will help develop the sophisticated analytical methods to fully exploit the potential of the next generation of genomic technologies and apply these in diverse settings.

Characteristic of this are state-of-the-art experiments generating large and complex data sets, and students on this programme will undertake comprehensive training to gain familiarity with both the challenges, vagaries, and artefacts of the complicated experiments which generate the data, as well as with the strengths and weaknesses of routine tools used for data analysis. Students will use and learn approaches leveraging next generation sequencing and other technologies, including application in genomics, transcriptomics, proteomics, metabolomics, and epigenomics, all of which are critical to the growing understanding of basic biology in normal and disease tissues.

The programme is hosted in the interdisciplinary environment of the Wellcome Trust Centre for Human Genetics (WTCHG), which hosts world-leading research groups in statistics, bioinformatics, genomic analysis, protein structure, and functional biology, to complement disease-focussed research. United by common interests in understanding the molecular basis of disease, researchers come from clinical and pure science backgrounds. The co-location of the WTCHG with the Oxford University Hospitals NHS Foundation Trust provides unique opportunities for translation of research into clinical practice, enhanced by having the Oxford NIHR BRC Genomics Theme based within the WTCHG and the Centre for Personalised Medicine.

Students joining the programme are drawn from very diverse backgrounds, ranging from genetics to pure maths but united by a track record of academic excellence and enthusiasm for this field. The first year of the DPhil course contains a series of taught modules covering fundamental topics within genomics, statistics, bioinformatics and epidemiology that combine theoretical and practical classes.

First-year students will also undertake a number of laboratory visits, will attend additional training and teaching sessions tailored to the needs of individual students, carry out a literature review and will undertake two short research projects. These will inform the choice of a DPhil project for the subsequent years of the programme. Students will benefit from the outstanding environment for graduate studies provided within the University of Oxford.

Applicants are advised to visit the course webpage for further information about supervisors connected to this programme.



Changes to courses

The University will seek to deliver each course in accordance with the descriptions 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. For further information, please see the University's Terms and Conditions.

Expected length of course

4 years

Annual fees for entry in 2017-2018

Fee Status	Tuition fee	College fee	Total annual fees
Home/EU (including islands)	£4,195	£3,021	£7,216
Overseas	£19,335	£3,021	£22,356

The fees shown above are the annual tuition and college fees for this course for entry in the stated academic year; for courses lasting longer than one year, please be aware that fees will usually increase annually. For details, please see our guidance on likely increases to fees and charges.

Tuition and college 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 tuition and college fees).

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

The University continuation charge, per term for entry in 2017/18, is currently £455, 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 to non-matriculated courses) it is likely to be in the region of £100 to £400 per term. Please contact your college for more details.

Additional cost information

There are no compulsory elements of this programme 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 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 2017-18 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 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	£250	£350	£2,250	£3,150	£3,000	£4,000
Accommodation	£538	£619	£4,844	£5,569	£6,459	£7,425
Personal items	£115	£255	£1,035	£2,295	£1,380	£3,060
Social activities	£40	£119	£358	£1,073	£477	£1,431
Study costs	£38	£83	£338	£743	£451	£991
Other	£22	£45	£196	£407	£261	£543
Total	£1,002	£1,471	£9,021	£13,237	£12,028	£17,649

When planning your finances for any future years of study in Oxford beyond 2017-18, you should allow for an estimated increase in living expenses of 2% each year.

More information about how these figures have been calculated is available at www.ox.ac.uk/admissions/graduate/fees-and-funding/living-costs.

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