

# Studying Medicine at Oxford



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**Tutorial Fellow in Medicine,**

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**Genetics**

**3-year pre-clinical course and then 3-year clinical course**  
**Strong emphasis on Science and its Clinical Application**

**Oxford Colleges provide small scale academic community**  
**and tutorial teaching**

# Why study Medicine at Oxford?

- **Join one of the top ranked medical schools in the UK and the World**
- **Be part of the highest ranking biomedical sciences institution in the UK and one of the leading research and teaching Universities in the world.**
- **Benefit from the unique Oxford course where you will be taught by world leaders in their fields at both University and College level.**



# Recent Oxford Medical Research Headlines



**Partial knee replacements better for many patients and cheaper for NHS**

**Getting rid of malaria possible, if we try something new**

**First human test of robotic eye surgery a success**

**Study shows new technology can predict fatal heart attacks**

**Lifestyle factors linked to brain health of young adults**

**Rare cancer could be caught early using simple blood tests**

**Portable, real time DNA sequencing for drug-resistant TB**

# Is Oxford Medical School good?

Over the past nine years, Oxford is the top ranked medical school in the UK, based on the independent student feedback **NSS** survey, with a **99%** satisfaction rating.

Medical School	2017	2016	2015	2014	2013	2012	2011	2010	2009
Oxford	1	1	1	1	1	1	1	1	1
Keele	2	3	2	3	4	2	7	6	3
QMUL	3	5	5	5	6	16	4	22	21
Newcastle	3	8	10	8	9	6	2	4	7
Exeter	5	7	8	4	7	7	7	2	5
Dundee	6	10	13	9	14	15	11	2	15
Swansea	7		23	30	n/a				
Glasgow	8	16	19	7	11	19	26	23	18
Imperial	9	19	22	16	29	23	14	15	12
Bristol	10	21	25	16	20	27	23	29	27
UCL	11		24	24	18	12	10	13	12
Cambridge	12	24	16	21	24	n/a	4	6	8
Edinburgh	13		27	31	26	17	16	9	10

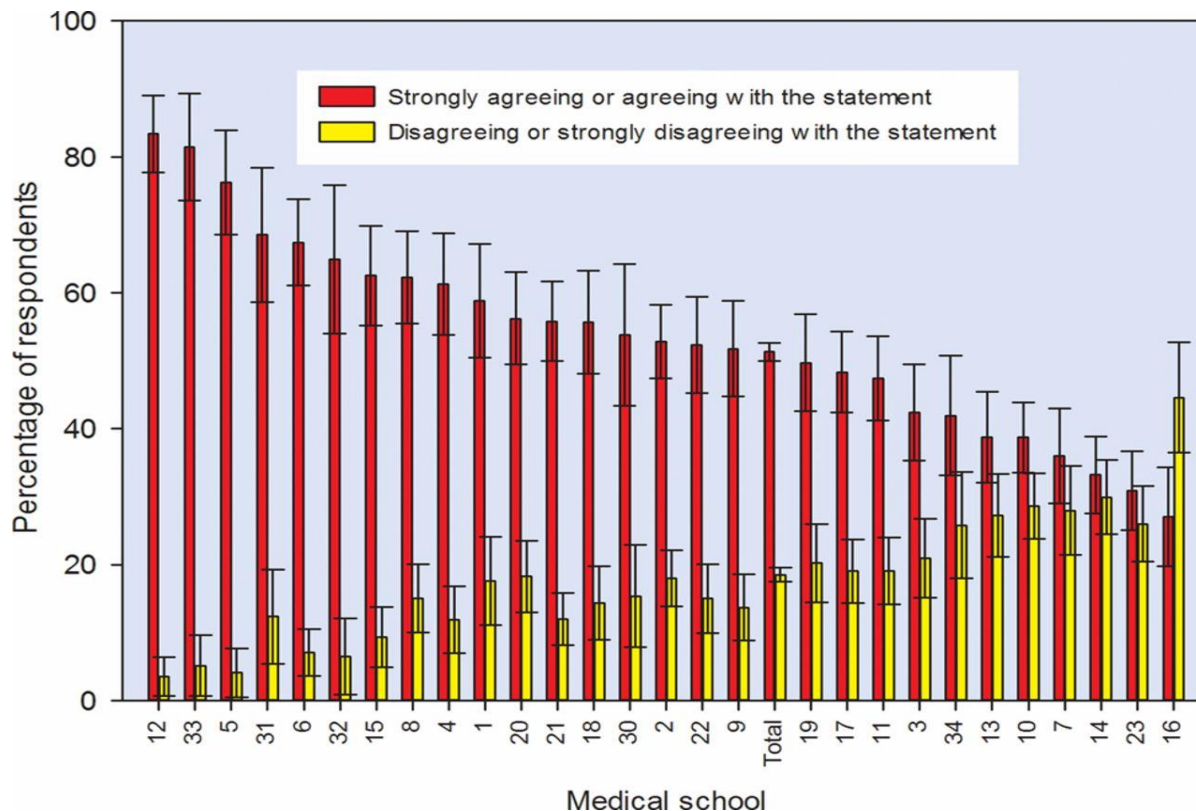
# Are Oxford medical students well prepared to be a Doctor?

**Oxford students are top in the National Prescribing Exam, Foundation Doctor Assessment, Preparedness to Practice.**

**In 2017 80% of Oxford students were placed in their 1<sup>st</sup> choice foundation school and of those 29 were in Academic Foundation Posts.**

**Percentages of doctors one year after graduation who agreed or disagreed with the statement “My experience at medical school prepared me well for the jobs I have undertaken so far”**

Goldacre MJ (2014) Postgrad. Med. J 90:63-68.



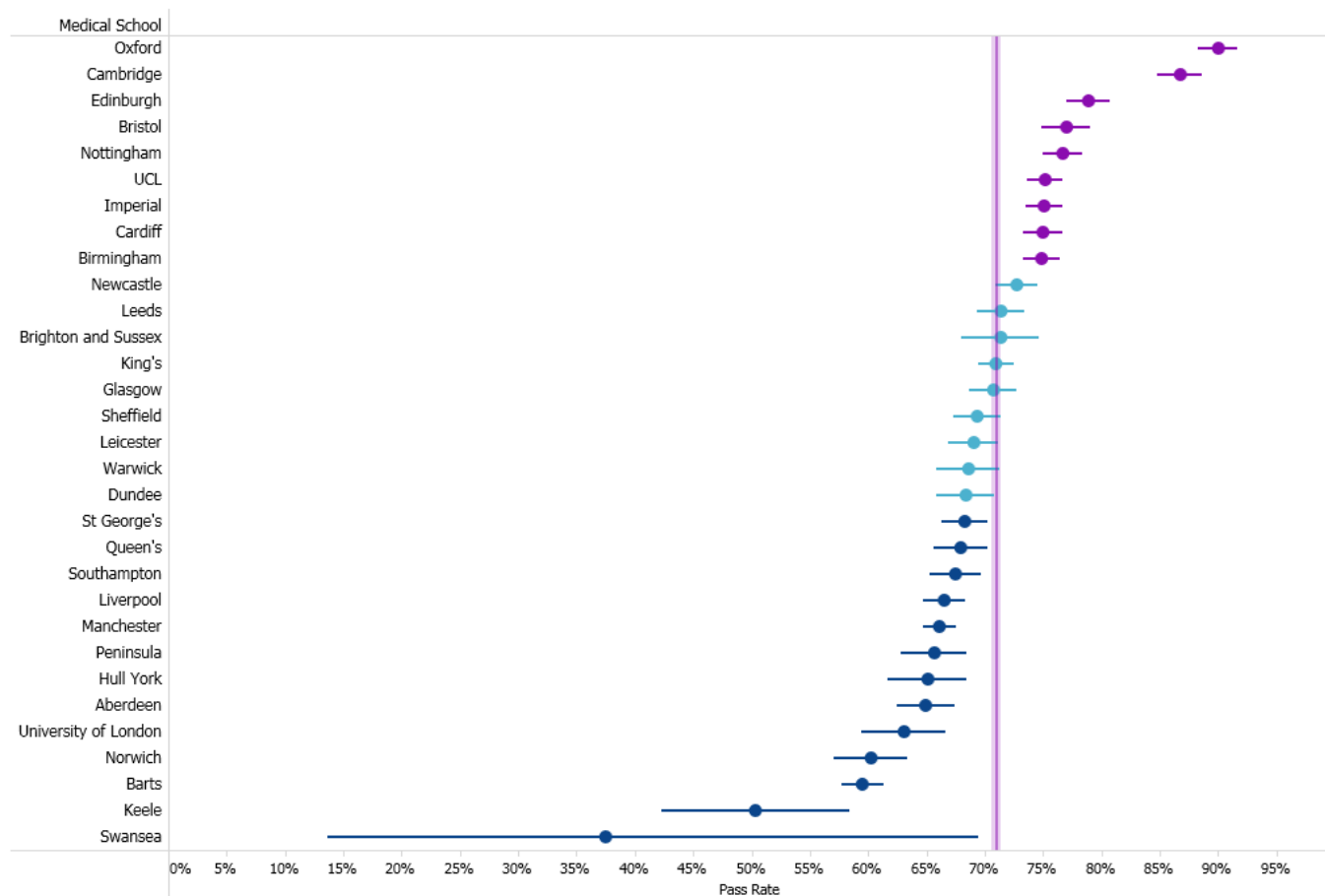
# Are Oxford Medical Students successful in their future careers?

General  
Medical  
Council

## Pass rates by PMQ awarding body

Version: 25/5/2016

College: (All) Exam Name: (All) Year commenced medical school: (All)



# Oxford is not an expensive place to study.

- Colleges are able to offer relatively cheap accommodation, with rent payable only during term time (8 weeks) rather than the whole year.
- Food and drink in Colleges is subsidised, so students can eat well at a low cost.
- College all have libraries which have the main text books, so students will often not need to spend money on books.
- Oxford is a compact city and the Colleges, Departments, Libraries and other facilities are a short walk or bike ride away. There is no need to spend money on public transport in Oxford.
- Many Colleges also offer study grants, travel grants and scholarships as well as awards for doing well in examinations.

# Oxford Tuition Fees

- Tuition fees are £9,250, which will be paid back through taxation when you earn over £25,000.

**Oxford has the most generous support package of all UK Universities for UK students from low income**

Non-repayable Oxford Bursary	Household income
£3,700	£16,000 or less
£2,700	£16,001 - £20,000
£2,500	£20,001 - £22,500
£2,200	£22,501 - £25,000
£1,700	£25,001 - £27,500
£1,400	£27,501 - £30,000
£1,100	£30,001 - £32,500
£1,000	£32,501 - £35,000
£800	£35,001 - £37,500
£600	£37,501 - £40,000
£200	£40,001 - £42,875

**Low income households – Oxford Moritz-Heyman Scholarship programme**



# The Oxford Medical Degree Course is Six years



## 3-year pre-clinical science course

- Bachelor of Medicine part I
- Final Honours degree in Medical Sciences - BA

## Apply to clinical school (Oxford - London)

## 3-year clinical course

- Bachelor of Medicine part II - BM:BCCh

# **The Pre-clinical Course at Oxford**

## **The first three years**

### **Year 1**

**First BM: Part I      Three eight week terms - Exams**

### **Year 2**

**First BM: Part II      Two eight week terms**

**Summer term - Exams - then start year 3**

### **Year 3**

**Final Honours course**

**BA in Medical Sciences**

**Principles of Clinical Anatomy**

# The Clinical Course at Oxford

## The last three years

### Year 4

**Patient Doctor II - Laboratory Medicine – Surgery & Medicine – District General Hospital – Special Study Module**

### Year 5 Clinical Rotations

**Clinical Neurology - Ophthalmology - Psychiatry**

**Genitourinary - Obstetrics & Gynaecology – Paediatrics - Dermatology**

**Orthopaedics - Emergency Medicine - Otolaryngology**

**Primary Care - Public Health - Gerontology - Palliative Care**

### Year 6

**Medicine – Surgery – DGH – finals exams January**

**Elective and special study modules**

**Preparation for practice**

# Year I First BM: Part I

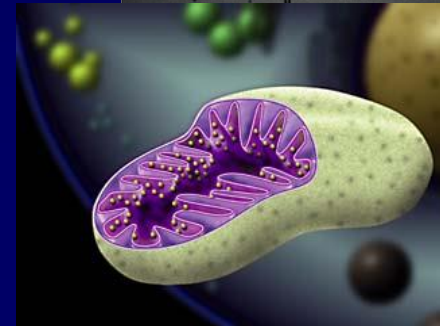
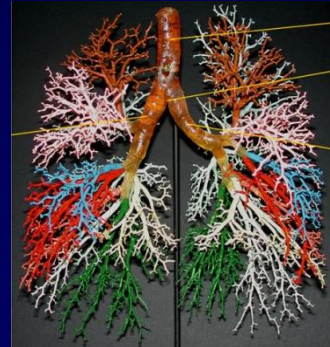
3 main courses and two smaller courses

Lectures and lab Practicals

We still have practical classes in all main subjects

- **Organization of the Body**
- **Physiology & Pharmacology**
- **Biochemistry & Medical Genetics**
- **Medical Sociology**

**Patient & Doctor Course**



# First BM Exams

**Formal Exams are kept to a minimum!**

**(regular informal formative assessments)**

- **At the end of the 1<sup>st</sup> year are the main exams**
- **3 major subjects each with an essay paper and a basic 'core' electronic exam**
- **Medical sociology one paper**

# **YEAR 2 First BM: Part II - Terms 4 & 5**

**Applied Physiology and Pharmacology**

**Nervous System**

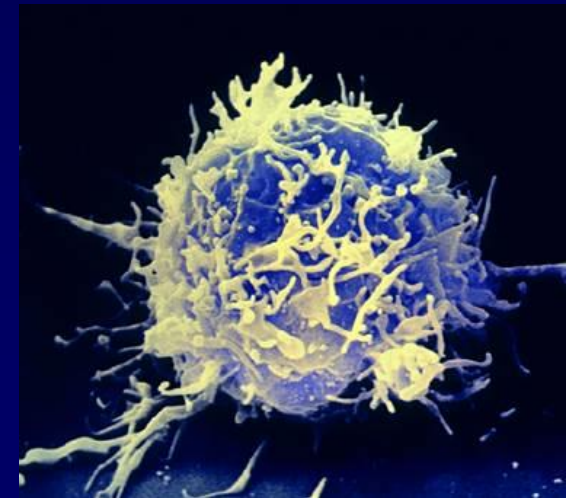


**Principles of Pathology**

**Psychology for Medicine**

**Patient & Doctor Course continues**

**Exams in Summer term in year 2**



# COLLEGES



Unlike most medical schools, Colleges provide a wealth of non-medical experiences

# Pembroke College New Buildings

A photograph of a modern, multi-story brick building at dusk. The building has large windows and a prominent staircase. The sky is a deep blue, and the building's lights are on, creating a warm glow. The building is the central focus of the image, with a dark blue sky above and a dark foreground below.

- **All Colleges have at least one Medical Tutor**
- **A Medical Tutor is a University Lecturer and also a Fellow of the College who looks after you during your studies**
- **Academic provision is similar in all Colleges with teams of tutors providing weekly tutorials in the major subjects you are studying**



**Jeremy Taylor/Irene Tracey**

**Neuroscience/Organisation of the Body**

**Oliver Rider**

**Physiology & Pharmacology**

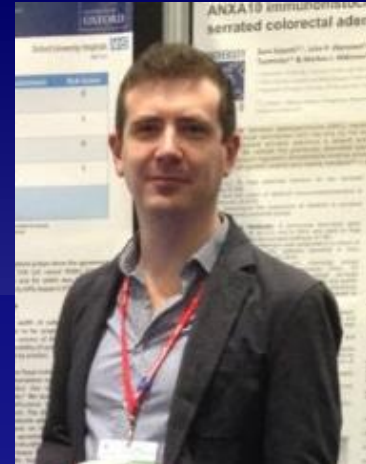
**Ed Mitchell**

**Psychology and Psychiatry**

**Biochemistry**

**Fredrik Karpe, Andre  
Furger, Lisa Walker,  
Katherine Pinnick**

**Richard Colling  
Pathology**



# College Tutorials

First and second year tutorials in subjects covered in the BM are taught in College



FHS advanced tutorials are provided by tutors and research staff from across the medical school

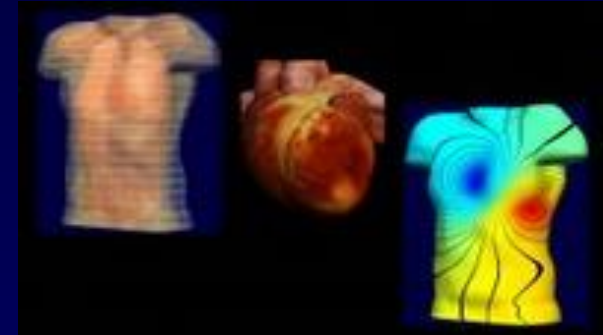
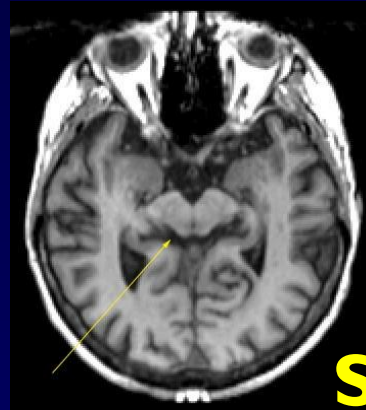
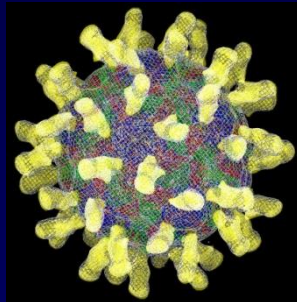
# Final Honours Course BA in Medical Sciences

There will be ten options:

Students will study two main options:

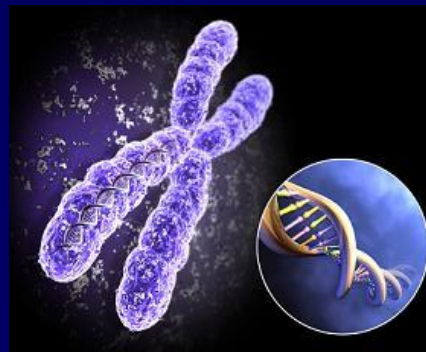
These will cover a range of biomedical sciences:

**Pathology**

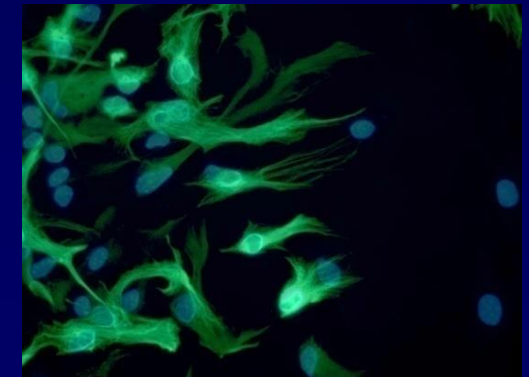


**Systems physiology**

**Neuroscience**



**Molecular biology**



**Cellular physiology**

# Final Honours Course in Medical Sciences

**Starts after BM exams in summer term year 2, with a research project based in one of the many laboratories in the Oxford Medical Sciences Division.**

- Lectures in chosen options (Y3)
- Seminars in chosen options (Y3)
- Tutorials in chosen options (Y3)
- Research Project
- Scientific essay in different topic

Abdi A, Mallet N, **Mohamed FY**, Magill PJ (2015) Prototypic and arkypallidal neurons in the dopamine-intact external globus pallidus. *J. Neuroscience*. 35:6667-88.

Tan H, **Wade C**, Brown P (2016) Post-movement beta activity in sensorimotor cortex indexes confidence in the estimations from internal models. *J. Neuroscience* 36:1516-28.



# Examples of FHS Research Projects



Investigating the genetic causes of anaemia

Can MRI scans predict early Osteoarthritis before X-rays?

High resolution tracking of decision-making behaviour in *Drosophila*

Histological assessment of islet damage and viability in human pancreatic explants

Novel immunogens for induction of HIV-1 neutralizing antibodies

The developing brain: Investigating the cellular mechanisms underlying the earliest brain activity

## **FHS Assessment:**

- **Write up and present your research project**
- **Extended Essay**
- **Two exam papers in your Option (specialist and integrative)**
- **Data handling and critical reading paper**

# PRINCIPLES OF CLINICAL ANATOMY

Taught as a three-week block

- preparation for Clinical School
- Clinicians involved every day



# Clinical School

## The John Radcliffe Hospital Headington



Children's  
Hospital and  
West Wing

Neurology and  
Eye Hospital





**What are we looking for?**

**A PASSION FOR  
EXCELLENCE**

**Any Questions?**

?

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?

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# Medicine at Oxford

## FIRST 5 TERMS

All courses compulsory: Focus on introduction to the fundamental aspects of the structure and function of the human body, and to the basic mechanisms underlying disease.

- Organization of the body
- Physiology and pharmacology
- Biochemistry and medical genetics
- Population health 1: Medical sociology
- Patient and doctor course

Part I Examination

- Applied physiology and pharmacology
- The nervous system
- Principles of pathology
- Psychology for medicine
- Patient and doctor course

Part II Examination

## BA IN MEDICAL SCIENCES (last 4 terms)

One from the following advanced options, plus a RESEARCH PROJECT and EXTENDED ESSAY. Focus on a spirit of enquiry and critical thinking.

- Neuroscience
- Molecular medicine
- Cardiovascular, renal & respiratory biology
- Infection and immunity
- Cellular physiology and pharmacology

BA Examination

Principles of Clinical Anatomy

Separate admission process applies. Core curriculum focus on preparation for Foundation Training, complemented by wide range of modules that allow development of knowledge/interest in specialist areas, and offer additional research and presentation opportunities

**Year 4:**  
focus on honing clinical skills

Continuous, staged assessment

- Patient and doctor course II (+ GP residential attachment)
- Laboratory medicine
- Rotations in surgery and medicine
- Hospital attachment
- Special study module

**Year 5:**  
focus on specialist clinical areas

Six 8-week blocks in:

- Paediatrics
- Psychiatry
- Obstetrics and gynaecology and genitourinary medicine
- Orthopaedics, A&E and musculoskeletal medicine
- Clinical geratology, dermatology, palliative care, public health primary care
- Neurology and neurosurgery, ENT, ophthalmology

**Year 6:**  
consolidation of skills and preparation for practice

Final exams for BM BCh

Final examinations:

- Senior rotations in medicine and surgery in Oxford and District General Hospitals
- Options in clinical specialties
- Special study modules; 10 week elective; student assistantship

# Clinical Education at Oxford

**160 students per year in the Oxford Clinical Course**  
(30 are Graduate Entry)

**Oxford Hospitals provide the majority of training**  
John Radcliffe, Churchill, Nuffield Orthopaedic Centre.

**15% students on rotations**  
**District General Hospitals**  
Reading, Northampton, Swindon, Banbury,  
High Wycombe, Aylesbury, Milton Keynes

**6% in primary care**

