



Regent's
Park College

Oxford Prospects and
Global Development
Institute



Oxford
Prospects



牛津展望计划



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	3000		101	6
NHS		44	25	5600
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IELTS 6.0	TOEFL 80			Academic Lectures
			15	
			+	
	1650			Interactive Seminars
			10	
			+	
	1050	9000		Outreach Workshops
Materials	Lecture Notes	Reading	5	
			+	
:	Wechat: yinmengdjj			Guest Lectures
	Email: Jerry.Deng@oxford-prospects.com		3	
Transcript	Programme Certificate			



Social Determinants of Health

NHS Systems in Various Countries:

The United States and Germany

Omics Tools and Techniques used
in translational research

Development of Oncological Imaging

Haematopoiesis: From Normal to the
Disease State

Macrophage & Anti-microbial Activity

Put the CELL under the MICROSCOPE

Computer-Aided Drug Design

Drug Development and Clinical Trials

Cell biology: Evolutionary perspectives
on cancer and ageing

Neurodegenerative Diseases: The
Coming Epidemic

Nanomedicine Nanotechnology in
Immunotherapy and Vaccines

Biomedical Engineering: Tissue
Reconstruction and Angiogenesis

Deep Brain Simulation and testing
Development in Parkinson's Disease

The Ethics of Biomedical Research

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Interactive Seminars

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2-4



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Lecture

Seminar

Hardcore

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Outreach Workshops

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NHS





“ *No silly questions* ”

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'No silly questions'

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'Never

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do the things that make you feel so comfortable doing. Once you get too comfortable doing something, it's about time to move on and get in touch with new things.'

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session

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Film and TV Industry



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Ms Liz Trubridge

World Leading Enterprises



BANK OF ENGLAND

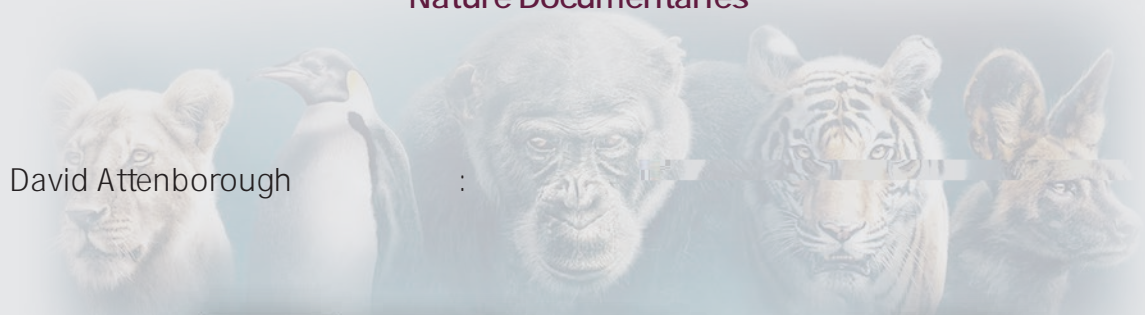


HSBC



Nature Documentaries

David Attenborough





Lead Professors



Proposed Topics

- Social Determinants of Health
- NHS Systems in Various Countries: The United States and Germany
- Omics Tools and Techniques Used in Translational Research
- Development of Oncological Imaging
- Haematopoiesis: From Normal to the Disease State
- Macrophage & Anti-microbial Activity
- Computer-Aided Drug Design
- Drug Development and Clinical Trials
- Cell biology: Evolutionary Perspectives on Cancer and Ageing
- Neurodegenerative Diseases: The Coming Epidemic
- Biomedical Engineering: Tissue Reconstruction and Angiogenesis
- Deep Brain Simulation and testing Development in Parkinson's Disease
- Ethics in and for Healthcare Markets

This course is for students of:

Medicine, Biology, Chemistry, Life and Biosciences, Genetics, Psychology, Public Health, and other related fields.

Module Description

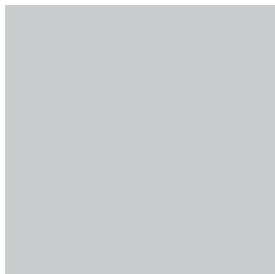
Why do people get cancer? What happens to the brain when we get older? What is checkpoint therapy? Can stem cells be used to cure any disease? Is biodiversity really so important?

This module provides an insight into the hottest topics in medicine, health related subjects as well as environment. The greatest brains in the field will guide the students through the intricacies of medical and biological research, paying particular attention to the latest technology developments in gene-editing and oncological imaging. Students will investigate the processes involved in neurodegenerative diseases and oncology as well as will analyse the steps necessary in clinical trials and drug development. The course offers a preview of how interdisciplinary teams are the only way to advance biosciences and offers a comprehensive framework in translational medicine. Students will also examine various models of healthcare systems, discuss ethical issues related to bio/medical research matters and will analyse the complex interrelationships between humans, resource use, and natural environment, including cause/effect relationships and placing the issues within wider debates on sustainability.

Learning Outcomes:

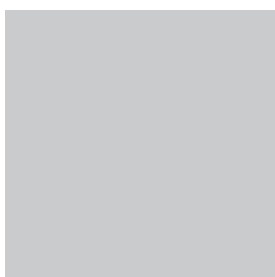
- Develop understanding of the state-of-the-art tools and techniques in bio/medical research.
- Appreciate the importance of interdisciplinary teams in cutting-edge developments.
- Explore the ethical and regulatory issues in research.
- Understand the complexities of cancer research and neurodegenerative diseases.
- Have insight into the role of nanotechnology in bio/medical applications such as vaccinations, drug delivery or cell cultures.
- Investigate latest changes in population ageing and its impact on societies.

|| Proposed List of Lecturers (Partial)



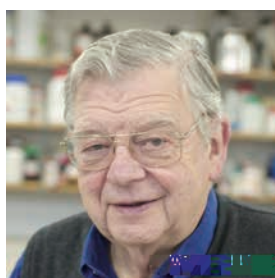
Prof. Graham Richards

Fellow of the Royal Society, First Chairman of Chemistry at the University of Oxford. He also founded Oxford Molecular, a scientific software company that at its peak was worth £450m and helped set up Oxford University Innovation, Oxford's technology transfer company that has brought approximately 60 spin-out companies into existence.



Prof. Mike Brady

Fellow of the Royal Society, Fellow of the Royal Academy of Engineering, Fellow of the Academy of Medical Sciences, Professor in the Department of Oncology. Professor Brady was Deputy Chairman of Oxford Instruments plc from 1994 to 2014. He was awarded the Faraday Medal for the year 2000, and a Third Millennium medal of the IEEE.



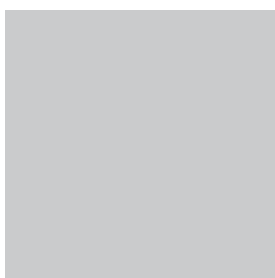
Prof. Sir Walter Bodmer

Fellow of the Royal Society, Honorary Fellows of the Royal Society of Chemistry, Fellow of the Academy of Medical Sciences, Professor of Genetics in the Department of Oncology (Medical Sciences Division) at the University of Oxford, and Head of the Cancer and Immunogenetics Laboratory at the MRC Weatherall Institute of Molecular Medicine, Oxford.



Prof. Sonia Antoranz Contera

Professorial Fellow of Green Templeton College, and a Professor of Biological Physics at the University of Oxford Physics Department. Her work lies at the interface of physics, biology, and nanotechnology. She was the founder, director and co-director of the Oxford Martin Institute of Nanoscience for Medicine at the Oxford Martin School.



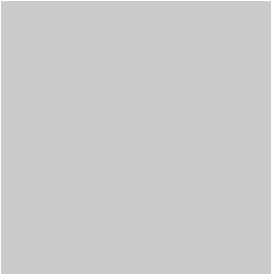
Prof. George Leeson

Professorial Fellow at the Institute for Population Aging, University of Oxford; Fellow of the Galton Institute; Senior Research Fellow at Kellogg College, University of Oxford; and Visiting Professor of Demography at the University of Guanajuato-Leon in Mexico; co-editor of the Journal of Population Ageing and Population Horizons.



Prof. Stephen Evans

Fellow of the Royal College of Physicians, Professor of Pharmacoepidemiology at the London School of Hygiene and Tropical Medicine (LSHTM), European Commission appointed independent Expert member of the Pharmacovigilance (Drug Safety) and Risk Assessment Committee at the European Medicines Agency.



Prof. Paul Fairchild

Fellow of Trinity College, Co-Director of the Oxford Stem Cell Institute. His current research draws on his background in immunology and interest in stem cells to develop new approaches to the treatment of a broad range of diseases with an immunological basis: indeed, his recent work has led to several patents and on-going clinical trials for the treatment of lung cancer.



Dr. Natalia Gromak

Science Research Fellow in Biochemistry at St John's College, University of Oxford. She was awarded a Royal Society University Research Fellowship. Dr Gromak's research is focused on studies of transcription in humans, especially the regulation of transcription termination and interplay between transcription and various RNA processing reactions in the cell.



Prof. Chrystalina Antoniades

Official Fellow of Reuben College, Associate Professor of Neuroscience in the Nuffield Department of Clinical Neurosciences at the University of Oxford, the Chair of the Clinical Neurosciences Society. Professor Chrystalina Antoniades' interest lies in examining the neurobiological relationship between visual perception and art.



Dr. Sarah Nurmohamed

Research Scientist and John Goldman Fellow for Future Science in the Division of Structural Biology at the Nuffield Department of Clinical Medicine, University of Oxford. Her research aims to understand the processes of blood development and the pathology of blood-related diseases, such as leukaemia.



Prof. Dame Frances Ashcroft

Dame Commander of the Order of the British Empire, Fellow of the Royal Society, Fellow of the Academy of Medical Sciences, Research Professor in the Department of Physiology, Anatomy and Genetics at the University of Oxford, Professorial Fellow of Trinity College, University of Oxford. Her research focuses on ATP-sensitive potassium (KATP) channels.

