

Study and Career Options in Biological Science

Date: Monday 9th October 2017

Time: 17.30 - 20.30

Venue: 3/F British Council, 3 Supreme Court Road, Admiralty

Programme

Room 307: Neuroscience - Understanding the Brain The study of Neuroscience encompasses every aspect of biology and biomedicine: from anatomy, cell biology and pharmacology to psychology and behaviour. This session will start with a brief intro about the subject matter, how it interacts with wider areas in life sciences, and careers available in this field.	
<i>Time</i>	<i>Panel speakers</i>
[Session 1] 17.30 – 18.15	<ul style="list-style-type: none"> • Prof Cathy McCrohan Professor of Comparative Neurobiology University of Manchester
[Session 2] 18.35 – 19.20	
[Session 3] 19.40 – 20.25	
Room 308: Molecules to mankind Molecular genetics, drug discovery, plant sciences and developmental biology. Why study these areas, what it involves, and resulting career fields. Dr Ian Mair will talk about how a background in Science gave him the mindset for a successful business career. Brian Leung will talk about his experience of studying microbiology at Dundee.	
<i>Time</i>	<i>Panel speakers</i>
[Session 1] 17.30 – 18.15	<ul style="list-style-type: none"> • Dr David Booth Senior Lecturer University of Dundee • Dr Ian Mair Chief Operating Officer, Regional Finance Director of Grosvenor. • Brian Leung Current Microbiology student
[Session 2] 18.35 – 19.20	
[Session 3] 19.40 – 20.25	
Room 309: Professional skills development and careers in Biosciences. This session will cover the professional skills that you will gain by studying Science, and what careers this can lead to.	
<i>Time</i>	<i>Panel speakers</i>
[Session 1] 17.30 – 18.15	<ul style="list-style-type: none"> • Dr Daniella Strauss Director of International Taught Student Recruitment and Lecturer in Sports Science University of Leeds • Bilal Shabir University of Leeds Hong Kong alumni
[Session 2] 18.35 – 19.20	
[Session 3] 19.40 – 20.25	
Main Area 3/F: How can you use biology to respond to Global Challenges in the 21st Century How biotechnology might be used to approach crises in food and fuel production and how conservation biology (and Marine Programmes) and biological sciences approaches are crucial in preserving biodiversity.	
<i>Time</i>	<i>Panel speakers</i>
[Session 1] 17.30 – 18.15	<ul style="list-style-type: none"> • Dr George Littlejohn Lecturer, Applied Biology University of Plymouth • Ding Li Famelab Science Communication Global Finalist, 2014 Senior Sustainability Consultant at Cundall
[Session 2] 18.35 – 19.20	
[Session 3] 19.40 – 20.25	

Academic speaker profiles

Prof Cathy McCrohan, University of Manchester

Prof McCrohan has extensive experience of teaching and curriculum development in disciplines ranging from ecology to medicine. She previously held the positions of Associate Dean for Postgraduate Research and Associate Dean for Teaching, Learning & Students in the Faculty of Life Sciences. She is currently Professor of Comparative Neurobiology in the Faculty of Biology, Medicine and Health and Academic Director of the University College for Interdisciplinary Learning. Following a first degree in Zoology and a doctorate in Neurobiology, her research has focused on understanding how the brains of simple animals are wired up to enable them to make appropriate decisions and choices in response to their environment.



Dr David Booth, University of Dundee

Dr David Booth teaches Biodiversity, Environmental Biology and Ecology at the University of Dundee. Past moderator of British Council café scientifique; contributor to the Cheltenham and British Science Association science festivals; Science presenter on BBC Northern Ireland's "Great Unanswered Questions" and "What's Next" television and radio programmes..



Dr Daniella Strauss, University of Leeds

Dr Daniella Strauss joined the University of Leeds in September 2006 as a Sport and Exercise Biomechanist. Over the years she has acted as Programme Leader and Director of Student Education for the Sport and Exercise Science programmes, more recently she has been appointed the Faculty Director for International Taught Students. This role sees Dr Strauss engage both strategically and operationally with student support and recruitment for the entire Biological Sciences Faculty.

Alongside this role Dr Strauss continues to engage in teaching and research activities, her area of interest is broadly lower limb locomotion; current research supervision includes cycle to run transition in triathlon, sporting footwear design and pain associated with lower limb prosthetics.



Dr George Littlejohn, Plymouth University

George joined the University of Plymouth in 2016 as a Lecturer in Applied Biology. He leads the Biosciences and Environmental Biotechnology BSc degree programmes and has interests in Plant Biology and Biotechnology. Research in George's lab is focused on understanding the relationship between rice and the devastating rice blast fungus, *Magnaporthe oryzae*. He is also Chair of the SEB+ Section of the Society of Experimental Biology, which has in its remit Science Communication, Teaching and Learning, Careers and Equality, Diversity and Inclusivity.



Guest speaker profiles

Dr Ian Mair

Chief Operating Officer, Regional Finance Director of Grosvenor

Dr Ian Mair joined Grosvenor in 2012 as Director, Commercial Finance for the Britain & Ireland business. He moved to Grosvenor Asia Pacific in mid-2014 as Finance Director, before taking up his additional role of Chief Operating Officer in October 2015. He is responsible to the Board for all finance, operations and related matters.

It is his firm belief that what makes him good at his job and able to progress to this level has been the result of the sciences mindset gained by studying a BSc Hons, Pharmacology and a PhD Neurobiology at University of Dundee.



Brian Leung

Current student, University of Dundee

Brian Leung is a 4th year microbiology student at the University of Dundee after graduating from West Island School (Hong Kong) in 2014. He has a strong interest in infectious diseases and pathogen biology with a goal of obtaining a PhD and working in research. He has worked/currently working on diffusible antimicrobial products and the type VI secretion system of *Serratia marcescens*. Brian enjoys triathlon and horse riding outside of his academic studies.



Bilal Shabir

Recent Hong Kong Alumni, University of Leeds

Bilal graduated in July 2017 with First Class honours in Sport and Exercise Sciences. Bilal was also awarded the Adamson's prize for biomechanics. This is awarded for exceptional academic performance, and specifically related to his research project in biomechanics.

Bilal actively engaged in student life, he was a student ambassador and his fantastic contribution was recognised at the Faculty awards during which he was awarded the Sports Science Student Ambassador of the Year Award.



Ding Li

Famelab Science Communication Global Finalist, 2014

Senior Sustainability Consultant at Cundall

Ding is a self-driven person, passionate in the field of sustainable development. She enjoys working with people, and taking up new challenges to make the world a better place.

With primary focuses in sustainability issues like carbon, water, energy and waste management, Ding has acted as a sustainability consultant to multinational corporations; supporting the development of strategies, policies and actions plans on environmental issues. She serves customers from aviation, hospitality, legal, institutional and apparel sectors.

When not working, Ding actively engages in environmental issues and science communication. She was one of the World Top 10 Finalists of the Famelab International in the UK Cheltenham Science Festival 2014; and was volunteering in RSPCA Queensland, Conservation Volunteer Australia and Fauna Conservation Department in Kadoorie Farm & Botanic Garden of Hong Kong. Ding was also a secondary school teacher at Presbyterian International Junior High School in Wa, Ghana, Africa.

Ding has a BSc Applied Biology - Environmental Science; and MSc Environmental Engineering and Management

