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2022

## Biology in Action

For A-level and IB students

Biology in Action returns this autumn! Five interactive and engaging sessions delivered by renowned scientists and communicators will inspire and motivate your students. A special session with hints and tips for revision and examination success will provide students with the tools to succeed. This is an unmissable and tremendously popular day, and we look forward to welcoming you and your students this spring.

"I don't remember a better student conference - we thought every speaker was excellent - just the right level, all animated, engaging and well prepared."

- Hacking the code of life
- The Future of Food
- Bring back the King - the science of de-extinction
- Astrobiology - The Hunt for Alien Life
- From genome to surgeon's table - tales from the oesophagus



Emmanuel Centre, London,  
London,  
SW1P 3DW



**Venue: £22 +VAT \***

Plus one COMPLIMENTARY staff ticket per 10 students.

\*VAT may be reclaimable please check with your finance department

ttp is the leading provider of inspirational, informative, Education in Action study days for A-level, IB, BTEC and GCSE students.

Award-winning, world-class speakers

Cutting-edge content

Thought-provoking demos and presentations

Examination hints, tips and guidance

Modestly priced to offer access to all

Complimentary staff ticket for every 10 students booked

**Bookings can be amended up to 28 days before the event day**



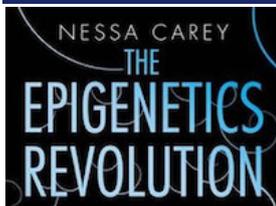
Education  
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# Biology in ACTION

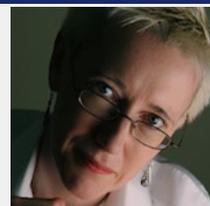
## Hacking the code of life /

Nessa Carey Imperial College London



Gene editing has given scientists the ability to change easily and forever the DNA of any organism. How can we control CRISPR technology and should we even try?

Nessa Carey is an Entrepreneur-in-Residence at The University of Oxford, a Visiting Professor at Imperial College and author of 3 popular science books "The Epigenetics Revolution"; "Junk DNA: A Journey Through The Dark Matter Of The Genome"; "Hacking The Code of Life".



## Astrobiology - The Hunt for Alien Life /

Lewis Dartnell University of Westminster



'Astrobiology' is the scientific search for life beyond our planet. Tour the planets and moons in our solar system which may offer the best hope, and further afield to alien worlds we've discovered around distant stars. Are we alone in the cosmos?

Lewis is an astrobiologist studying how microbial life might persist on the surface of Mars. He appears regularly on the BBC, National Geographic and Discovery channels.



## The Future of Food /

Greg Foot Science presenter and communicator



How will we feed the 10 billion people potentially crowding our planet by 2050? Fresh from filming a new BBC TV series exploring exactly this, join Greg to discover drought-resistant rice, block-chain orange juice and lab-grown burgers.

Greg Foot is a Science Journalist on BBC Radio 4 ('The Best Thing Since Sliced Bread?'), a successful Podcaster ('Surprisingly Brilliant') & YouTuber ('BBC Earth', 'Let's Go Live' etc) & live show presenter around the world.



## From genome to surgeon's table - tales from the oesophagus /

Tim Underwood University of Southampton



Join Tim to discover how genomics is allowing early detection of oesophageal cancer, uncovering the biology behind this disease and enabling life-saving surgery and treatment to be targeted to the individual.

Tim is a surgeon with a special interest in oesophageal cancer and minimally invasive surgical techniques.



## Bring back the King - the science of de-extinction /

Helen Pilcher Author and science communicator



Join Helen as she explains how advances in genetics have made de-extinction a reality; and how the re-appearance of woolly mammoths, baby-burping frogs and other animals will soon put an end to the dogma that extinction is forever.

Dr Helen Pilcher is a tea-drinking, biscuit-nibbling science and comedy writer and author of 'Bring Back the King: the Science of De-extinction'.



## The Training Partnership

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