

Biology in ACTION

NOV
15
2024

Biology in Action

For A-level, IB, BTEC Level 3 and T Level biology students

Join us for an exciting day of informative discussions, interactive sessions and inspirational stories at Biology in Action this autumn. From advancements in genetics to environmental challenges, our experienced speakers will shine a light on cutting-edge research and current issues from the world of biology.

The day will also include a special session on examination success designed to provide students with the tools that they need to excel. With polls and quizzes throughout the day and plenty of opportunities to ask the scientists questions, this is an unmissable day, and we look forward to welcoming you and your students. Book now for Biology in Action!

One more speaker for this exciting event will be announced soon!

- Cooperate or die
- From genome to surgeon's table - tales from the oesophagus
- Epigenetics - why DNA is not your destiny
- Drawn to Discovery



Emmanuel Centre, London,
London,
SW1P 3DW



Venue: £25.50 +VAT *

Plus one COMPLIMENTARY staff ticket per 10 students.

*VAT may be reclaimable. Please check with your finance department

Education in Action 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

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Cooperate or die /

Alex Lathbridge - Biochemist, Presenter, and Science Journalist



Why don't people live at the top of Mount Everest? Join Dr Alex Lathbridge on a 'bloody' good biochemical journey to find out how our lives are run by one little protein: haemoglobin. What makes oxygen so important to life? Why did medieval doctors try to fill their veins with urine? How does living at high-altitude change your DNA? And is being pregnant that different from being poisoned?

Dr Alex Lathbridge is a biochemist turned science journalist. He spends most of his time talking science on radio and podcasts for the BBC (and anyone else that'll have him). For his PhD, he mixed biochemistry and computer science to create anti-cancer peptides.



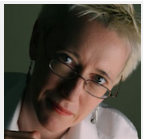
Epigenetics - why DNA is not your destiny /

Nessa Carey - Entrepreneur-in-residence, University of Oxford



DNA is the basic script for who you are, but it doesn't define you. Epigenetics explains how the environment and your genes communicate with each other, setting up patterns of gene expression that can mean the difference between a healthy old age or an early death from cancer, between mental well-being or drug addiction and much more.

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 and Hacking The Code of Life.



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

Tim Underwood - Professor of GI Surgery, 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 Professor of Gastrointestinal Surgery and co-lead of the Innovation for Translation Research Group (ITRG), University of Southampton. His team focus on understanding the response to therapy in a range of solid tumours, and the development of new treatments that target the tumour microenvironment, including immunotherapy.



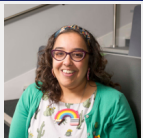
Drawn to Discovery /

Hana Ayoob - Science Communicator & Illustrator



Drawing is a key part of biology, allowing us to map the human body, reconstruct extinct species and so much more. Discover the opportunities and challenges scientific illustration can present, and try some drawing yourself in this inspiring, interactive session.

Hana Ayoob is a science communicator and illustrator, with a background in zoology. She's passionate about bringing people together to explore the world around them through art and science.



Education in Action

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