Biology in ACTION

Midlands

NOV
25
2025

# Biology in Action

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

Join us at Biology in Action this autumn for an inspiring day that brings biology to life for your KS5 students. Top scientists and professional from across the field of biology will share their passion and insight, shining a light on cutting-edge research and current scientific issues.

The day also includes a special session on exam success, giving students practical tools and tips to help them excel. With personal anecdotes, interactive polls and plenty of opportunities to put questions directly to the speakers, Biology in Action is an unmissable day. Book now to secure your places!

Host: Helen Pilcher (Science Writer and Presenter)

Exam Session: Leah McClure (A-level Biology Teacher)

- Lessons from Lobsters: why some of us get cancer and others don't
- Medtech on the brain
- Nothing in Biology Makes Sense
- Seismic Safari: The hidden language of elephants
- The Science of De-extinction

University of Warwick,
Coventry,
CV4 7AL

**Venue: £24 +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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## Lessons from Lobsters: why some of us get cancer and others don't /
### Charlotte Mykura – Epigeneticist and Doctor

Lobsters, elephants, naked mole rats. All charismatic. All beautiful. But fascinatingly, all incredibly unlikely to develop cancer. What protects this intriguing bunch from cancer? Can we apply their methods of cancer protection to humans?

Charlotte is an epigeneticist, doctor, science communicator and comedian. She explores how the vibrant world within the nucleus of our cells guides health and disease – whether it's at festivals, on stage, to camera or in the classroom.

## Seismic Safari: The hidden language of elephants /
### Alice Morrell – Wildlife Biologist, University of Oxford

What if you could feel a conversation through your feet? Join Alice on a Seismic Safari to discover how elephants use vibrations to communicate – and how AI is helping us decode their hidden language beneath the ground.

Alice is a wildlife biologist at the University of Oxford where she uses AI to decode elephant seismic communication. She is also a presenter and science comedian having taken her exhibits and shows to festivals such as the Royal Society Summer Science Exhibition, the British Science Festival, and Glastonbury.

## Medtech on the brain /
### James Piercy – Science Communicator

Step into the world of medical innovation with brain injury survivor James Piercy. James will showcase the cutting-edge devices that are being developed and tested by the Healthtech Research Centre in Brain Injury, and discuss how new solutions are identified, evaluated and implemented into patient care pathways.

James Piercy is Patient Public Involvement and Engagement Lead for the Healthtech Research Centre in Brain Injury and a science communicator, trainer and consultant. He spends much of his time encouraging patient involvement in medical research and has spoken at schools and festivals around the world.

## The Science of De-extinction /
### Helen Pilcher – Author and Science Communicator

Can we really bring extinct species back to life — and should we? In this thought-provoking talk, science writer Helen Pilcher explores the cutting-edge genetics behind de-extinction. From woolly mammoths to misunderstood wolves, she unpacks the science, the ethics, and the surprising twists in our quest to reverse extinction.

Dr Helen Pilcher is a tea-drinking, biscuit-nibbling science and comedy writer. Her books include Bring Back the King: the Science of De-extinction, Life Changing: How Humans are Altering Life on Earth and This Book May Cause Side Effects.

## Nothing in Biology Makes Sense /
### Laurence Hurst – Milner Centre for Evolution, University of Bath

Evolution by natural selection might seem obvious — so why study it? In this thought-provoking talk, discover how the genomic revolution is offering fresh insight into evolution and deepening our understanding of what it means to be human.

Laurence Hurst is an author, presenter and academic specialising in understanding how genes evolve and applying that information to medicine. A passionate communicator on all subjects genetical and evolutionary, he is the author of one popular science book, "The Evolution of Imperfection: the science of why we aren't and can't be perfect"

## Education in Action

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