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## Chemistry in Action

For A level and IB students

Join us for an incredible day of chemistry, taking students from their studies to cutting-edge research and future applications in great style! Five sessions from leading chemists in academia and industry will inspire the scientists of the future. A special session on examination success will ensure students are equipped with the tools to excel. Join us for a day of scientific discovery!

- Personalised cancer treatment: the role of chemistry
- Do you smell almonds?
- How chemistry can save you after an apocalypse!
- The elements of colour
- A nano future for energy



University of Salford  
The Crescent  
Salford, M5 4PD



£21 + 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**

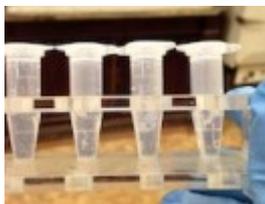


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# Chemistry in ACTION

## Personalised cancer treatment: the role of chemistry / Belle Taylor



The sheer breadth of chemistry means that its role in human biology is often overlooked. Belle introduces the chemistry behind cancer before moving on to how cutting-edge chemical techniques are defining how we investigate and treat tumours.

Belle is Strategic Partnerships Manager at Cambridge Cancer Genomics (CCG.ai), an AI biotech startup. Her PhD studies focused on plasma phase electrochemistry. She is an experienced science communicator and regularly



## The elements of colour / Peter Hoare



With demonstrations galore, we will discover the chemistry of harnessing energy from sunlight, reveal the science of colour recognition and perception and carry out a series of reactions to test the fundamentals of colour and light.

Peter has a chemistry PhD and over 20 years experience as a chemistry teacher. He is also an experienced chemistry A-level exam marker, education consultant and CPD trainer.



## Do you smell almonds? / Jamie Gallagher



Chemistry lets us understand flavour. Discover what pushes our taste buds to the limit and how very small differences can lead to dramatically different tastes as we open the chemist's kitchen cabinet.

Dr Jamie Gallagher is a scientist and science communicator. He was recognised as one of the UK's "100 Leading Practising Scientists" by the Science Council.



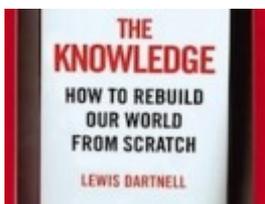
## A nano future for energy / Serena Corr



Serena's research focuses on the design, synthesis and characterization of functional nanomaterials in particular for applications in energy storage, with an emphasis on understanding their intimate structure-property interplay.



## How chemistry can save you after an apocalypse! / Lewis Dartnell



Imagine you wake up tomorrow and the world as we know it has collapsed... How could you use your knowledge to survive in the post-apocalyptic wasteland? What simple chemistry would be most crucial for helping you reboot civilisation from scratch?

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 Training Partnership

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