

DEC
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Chemistry in ACTION

Featuring a special session with expert hints and tips for exam success.

Gods, devils and alcohol / [Peter Wothers](#)



What connects a urinating camel to a spiral fossil? In which brands of shampoo can you find “Foolies Bolloxe” and “beaver testicles?” Peter guarantees you will never look at a bottle of shampoo in the same way again!

Dr Peter Wothers is a lecturer in chemistry at the University of Cambridge and a Fellow of St Catharine’s College. His fascination with chemistry that started at the age of



A is for Arsenic / [Kathryn Harkup](#)



Many compounds we now consider to be poisons were once found on pharmacy shelves. Kathryn will examine the chemistry behind four former medicines and their effects on the body with some killer case studies.

Kathryn is a chemist and science communicator specialising in delivering talks and workshops on the quirky side of science.



Indestructible energy! / [Jamie Gallagher](#)



What does one unit of energy look like? Feel like? Join materials scientist Jamie for a whirlwind tour of all things energy. Explore how chemists are working to turn humans into walking batteries to power our daily life and the

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, is one of



Nature’s robots / [Mark Lorch](#)



Proteins are the micro-machines that control living organisms. They are the gatekeepers, messengers, factories and defence systems with us all. Mark will take a look at the amazing and still mysterious processes that proteins use to self assemble and what happens

Mark Lorch is Professor of Science Communication at the University of Hull, but he’s a biochemist at heart. His research has covered protein folding to effects of ocean



The magic of oxygen / [Mike Batham](#) and [Rob James](#)



Expect a few flashes and bangs as some explosive mixtures are conjured up by Mike and Rob to illustrate the magic of oxygen. We will look at the work of scientists such as Boyle, Newton and Priestley, and recreate some

Dr Mike Batham is the laboratory manager for the Open Science on campus teaching laboratories and Dr Rob James is a Senior Lecturer in Chemistry and Staff Tutor at the



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