



UNIVERSITY OF  
BIRMINGHAM



# 3<sup>rd</sup> Royal Society of Chemistry Younger Member Symposium

**Keynote  
Speakers**

**Lesley Yellowlees**

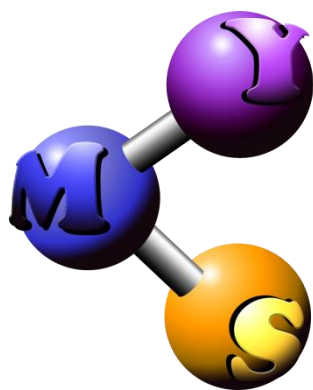
*President of the Royal Society of Chemistry*

**Jamie Gallagher**

*Science Communicator*

**Tuesday 24<sup>th</sup> June 2014  
University of Birmingham**

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across industry, academia and  
education are welcome.

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|---|
| <b>Inorganic &amp; Materials</b><br>Zoe Schnepf: University of Birmingham<br>Paul Staniland: Croda Europe |
| <b>Organic &amp; Biological</b><br>Tim O' Riordan: Syngenta<br>Chris Cordier: Imperial College London     |
| <b>Physical &amp; Analytical</b><br>Ruth Tunnell: QinetiQ<br>Andrew Baldwin: University of Oxford         |
| <b>Education &amp; Outreach</b><br>Sid Rodrigues: SoHo Skeptics<br>Andy West: Pera Technology             |



RSC Younger Members Symposium



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Opportunities**

# CONFIRMED SPEAKERS

|                             |  |
|-----------------------------|--|
| <b>Valerie Seymour</b>      | <i>Application of NMR crystallography to the investigation of charge-balancing mechanisms in the aluminophosphate STA-2</i>                          |
| <b>Paul Brack</b>           | <i>BiVO<sub>4</sub> thin films for photoelectrochemical water splitting</i>  |
| <b>Alexander Kilpatrick</b> | <i>Titanium ‘Double-Sandwich’ Complexes for the Activation of CO<sub>2</sub> and CO</i>  |
| <b>Olga Efremova</b>        | <i>Octahedral metal cluster complexes and their hybrids with organic polymers</i>  |
| <b>Jayne Ede</b>            | <i>Development of a synthetic skin surrogate to evaluate Immediate Decontamination efficacy</i>  |
| <b>Sarah-Jane Richards</b>  | <i>Glycosylated nanomaterials: Detection and neutralisation of pathogenic bacteria and toxins</i>  |
| <b>James Walton</b>         | <i>Catalytic SNAr of unactivated aryl chlorides</i>  |
| <b>Vimal Parekh</b>         | <i>Bridging disulfides for the formation of stable antibody drug conjugates</i>  |
| <b>Mustafa Gabr</b>         | <i>Novel EGFR kinase inhibitors as anti-cancer drugs</i>   |
| <b>Niall McCreanor</b>      | <i>Carbonyl directed carbonylative ring expansions of aminocyclopropanes: Rhodium catalysed multicomponent synthesis of N-heterobicyclic ketones</i> |
| <b>Gemma Bullen</b>         | <i>Using an anthracene derivatised peptide to control biomolecular recognition</i>   |
| <b>Darren Poole</b>         | <i>Rhodium-catalysed ketone methylation using methanol under mild conditions</i>   |
| <b>James McDonagh</b>       | <i>Can we predict solubility accurately and efficiently from theory?</i>   |
| <b>Deirdre Healy</b>        | <i>Development and characterization of physically adsorbed thermoresponsive films for cell culture</i>   |
| <b>Thomas McGlone</b>       | <i>Continuous crystallisation: A practical route towards controlling particle attributes via nucleation, growth and transport</i>                    |
| <b>Femi Oloye</b>           | <i>Synthesis and characterization of xMo/ZrO<sub>2</sub> based catalysts for hydroisomerization of linear alkanes to branch alkanes</i>              |
| <b>Katherine McKee</b>      | <i>Detection of the organophosphorus nerve agent VX and its hydrolysis products in white mustard plants grown in contaminated soil</i>               |
| <b>Joscelyn Sarsby</b>      | <i>A multidimensional approach for identification of isobaric lipids detected in direct mass spectrometry analysis and imaging of human liver</i>    |
| <b>Rosanna Alderson</b>     | <i>Bridging the gap - how can universities encourage female career progression in the physical sciences from an early age?</i>                       |
| <b>Jade Foster</b>          | <i>Discovery of a natural product: The University Biochemistry Experience</i>  |
| <b>David Foley</b>          | <i>Reap What You Sow – The Benefits of Volunteering for the RSC</i>  |