

## Past Events 2014/15

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**August 2014**Thur 14 August **Advanced Materials Seminar**

14:00 - Prof. Vinny Manoharan, Harvard University (Ha203) "*Unconventional crystals*"  
Host: Dr D. Chakrabarti

**September 2014**Tue 16 September **MSC/BSN Seminar**

14.00 - Dr Javier Montenegro, Santiago de Compostela (Ha203) "*Supramolecular Chemistry for Transport Pattern-based sensors and 1D controlled assembly*"  
Host: Dr F. Fernandez-Trillo

**October 2014**Tue 14 October **MSC Research Seminar**

14.00 - Dr AnnMarie O'Donoghue, Durham University (Ha 101) "*Triazolium Salts as Organic Catalysts: Unusual Ortho-Substituent Effects*"  
Host: Prof. N. Simpkins

Tue 21 October **PTC Research Seminar**

14.00 - Dr David Fermin, Bristol University (McE G33) "*Dynamic photoelectrochemical responses of conventional and unconventional metal oxides*"  
Host: Dr P. Rodriguez

Tue 28 October **SSC Research Seminar**

14.00 - Dr Ivana Evans, Durham University (McE G33) "*Functional materials: Twists and Hops in the Solid State*"  
Host: Prof. P. Slater

**November 2014**Tue 18 November **School Seminar**

14.00 - Birmingham Postdoctoral Researchers (McE G33)  
Josh Bray (Britton Group) "*MRI for chemistry and transport: drug delivery, carbon sequestration, and electrochemical cells*"  
Ilker Demiroglu (Johnston Group) "*Effect of Polymorphism and Dimensionality on the properties of ZnO*"  
Tzu-Yu (Evin) Chen (Hriljac Group) "*Novel Ion Exchange Materials for Nuclear Waste Treatment*"  
Ben de Laune (Greaves Group) "*Schafarzikite: past, present and future*"  
Host: Prof. G Worth

Tue 18 November **BSN Research Seminar**

14.00 - Prof. J. A. Gareth Williams, Durham University (McE G33) "*Designing brightly luminescent metal complexes: from organic LEDs to the inside of the living cell*"  
Host: Prof. Z. Pikramenou and Dr E. Baranoff

Tue 25 November **PTC Research Seminar**

14.00 - Dr Rob Evans, Aston University (Ha 101) "*Diffusion NMR studies of polymers, nanoparticles and other materials*"  
Host: Dr M. Britton

**December 2014**Tue 2 December **School Seminar**

14.00 - Prof. John Irvine, St Andrews University (McE G33) "*Chemistry at the Edge: Perovskite Exsolutions*"  
Host: Prof. P. Slater

**January 2015**Tue 13 January **School Seminar**

14.00 - Prof. Emma Raven, Leicester University (McE G34) "*The role of heme iron in biology*"  
Host: Prof. M. Hannon and Dr A. Peacock

Wed 14 January **PTC Research Seminar**

14.00 - Prof. Bill Poirier, Texas Technology University (Arts LR5) "[Quantum Mechanics Without Wavefunctions \(http://www.huffingtonpost.com/bill-poirier/quantum-weirdness-and-many-interacting-worlds\\_b\\_6143042.html?utm\\_hp\\_ref=science\)](http://www.huffingtonpost.com/bill-poirier/quantum-weirdness-and-many-interacting-worlds_b_6143042.html?utm_hp_ref=science)"  
Host: Prof. G. Worth

Tue 27 January **MSC Research Seminar**

14.00 - Dr Carmen Galen, Bristol University (Ha 101)  
Host: Dr J. Fossey

**February 2015**Tue 10 February **SSC Research Seminar**

14.00 - Dr Allan Walton, Metallurgy and Materials, Birmingham University (Ha 101)  
Host: Dr P. Anderson

Tue 24 February **BSN Research Seminar**

14.00 - Dr Charlotte Willans, Leeds University (McE G33)  
Host: Dr A. Peacock

**March 2015**

Tue 3 March **MSC Research Seminar**  
14.00 - Dr Edward Tate, Imperial College, London (Ha 101)  
Host: Dr L. Cox

Tue 10 March **PTC Research Seminar**  
14.00 - Prof. Yaroslav Khimyak, University of East Anglia (McE G34)  
Host: Dr M. Britton

Tue 17 March **SSC Research Seminar**  
14.00 - Dr Emma McCabe, Kent University (McE G34)  
Host: Prof. C. Greaves

#### May 2015

Tue 24 May **MSC Research Seminar**  
14.00 - Dr Stephen Thomas, Edinburgh University (Ha 203)  
Host: Dr P. Davies

### Events January 2013 - July 2014.

#### January 2013

Thurs 17 January **ChemSoc Talk**  
13:00 - Dr Audrey Matthews, De Montfort University (Ha101) "*The Science of Chocolate*"

Tue 22 January **PSIBS Seminar**  
12:00 - Dr Joanna Collingwood, Warwick University (LC UG07) "*Chasing Metals in the Degenerating Brain: Recent observations with Synchrotrons, SQUIDS and MRI*"

Tue 22 January **Research Seminar**  
14:00 - Dr Tom Sheppard, UCL (LC-UG07) "*Water Driven Synthesis: Formation and Activation of Carbon-Oxygen Bonds*"

Tue 29 January **PSIBS Seminar**  
12:00 - Dr Stephen Matcher, University of Sheffield (LC UG07)  
Host: Prof M. Hannon

Thurs 31 January **PhD/PDRA Seminar**  
16:00 - Dr Jean-Louis Duprey, University of Birmingham (Ha203) "*Metal Mediated Base Pairs for DNA Secondary Structure*"

#### February 2013

Mon 11 February **Research Seminar**  
14:00 - Dr Chris-Kriton Skylaris, University of Southampton (McE G31) "*Density Functional Theory Calculations with Thousands of Atoms*"  
Host: Prof R. Johnston

Tue 19 February **School Seminar - RSC Gibson-Fawcett Award**  
14:00 - Dr Andrew Fogg, University of Liverpool (McE G36) "*Application of In Situ Diffraction Studies in Materials Discovery*"  
Host: Dr P. Slater

Mon 25 February **School Seminar**  
12:00 **Prof Alice Roberts**, University of Birmingham (Ha101) "*Reflections on Public Engagement with Science*"  
Host: Dr J. Tucker

Tue 26 February **Research Seminar**  
12:00 Dr Brian O-Regan, Imperial College, London (AWEB-Senate Chamber) "*Measurement of Electron Transfer Into, Out of, and Through TiO<sub>2</sub> Nanostructured Films, Relevance to Dye Sensitized Solar Cells and Related Technologies*"  
Host: Dr E. Baranoff

#### March 2013

Mon 4 March **PhD/PDRA Seminar** (Ha203)  
17:00 - Mr Rory Steven, "*Matrix Assisted Laser Desorption Ionisation Mass Spectrometry of Biological Samples*"  
and Mr Antoine Vallatos, "*Manipulating Spins, an Introduction to Magnetic Resonance techniques*"

Tue 5 March **Research Seminar**  
14:00 - Dr Andre Cobb, University of Reading (Bio E102) "*The Synthesis of Unnatural Biomolecules*"  
Host: Dr. P. Davies

Wed 6 March **EPS College Seminar**  
17:00 - Dr Yan Wong, University of Leeds (Ha 101) "*Telling Science Fact from Fiction: Genetically Engineering the Physical World*"  
Host: Ms Carlotta Figliola

Tue 12 March **Research Seminar**  
14:00 - Dr David Carbery, University of Bath (Bio E102) "*The Application of Organocatalysis to Redox and Asymmetric Contexts*"  
Host: Dr P. Davies

Tue 19 March **Research Seminar**  
14:00 - Dr Craig Butts, University of Bristol (AWEB-WG12) "*NMR Without Shifts or Coupling Constants - Chemical Structures at the Push of a Button*"  
Host: Dr M. Britton

#### April 2013

Mon 15 April **PhD/PDRA Seminar** (Ha203)  
16:00 - Ms Rian Griffiths, "*MALDI-MS Analysis of Lipids*"  
and Dr Aimee Gamie "*DNA Binding Ferrocene GCN4 Dimers for Electrochemical Sensing*"

#### May 2013

Tue 7 May **Research Seminar**

14:00 - Prof. David Smith, University of York (McE-G29) "*SAM-Dendrimers - A Self-Assembled Multivalent Approach to Nanomedicine*"  
Host: Dr J. Fossey

**Tue 7 May Inaugural Lecture**

17.15 - Prof. Peter Slater, School of Chemistry, University of Birmingham (McE-G33) "*Perfecting Imperfection: The Role of Defects in Functional Energy Materials*"

**Tue 21 May School Seminar - RSC Chemistry of Transition Metals Award**

14:00 - Prof. Chris Chang, UC Berkley (Ha101) "*Molecular Imaging Approaches to Mapping and Studying Inorganic Chemistry in the Brain*"

Host: Prof M. Hannon

**Tue 29 May Research Seminar**

10:30 - Prof. Bruno Therrien, University of Neuchatel (Ha203) "*Water Soluble Organometallic Cages for Drug Delivery*"

Host: Dr E. Baranoff

**June 2013**

**Tue 4 June Research Seminar**

14.00 - Dr Nick Fletcher, Queens University Belfast (McE-B07) "*Structural Considerations in Designing Molecular Probes*"

Host: Dr Z. Pikramenou

**27-28 June Postgraduate Symposium**

lectures (Ha101)

posters (Haworth Reading Room)

**July 2013**

**Tue 2 July Research Seminar**

14.00 - Prof. Andy Wilson, University of Leeds (Ha203) "*Adventures in Non-Covalent Chemistry: From Self-Assembly to Protein Surface Recognition*"

Host: Prof. J. Tucker

**Fri 26 July Research Seminar**

14.00 - Prof. Sandeep Ghosal, Northwestern University, (Ha209a) "*Through the eye of a needle: how polymers go through nanopores*"

Host: Dr Dwaipayan Chakrabarti

**September 2013**

**Wed 18 September MSC Research Seminar**

14.00 - Dr Dattatraya H. Dethle, IIT Kanpur, India (Ha 203) "*New tools and strategies for synthesis of indane natural products*"

14.30 - Dr S. Arulananda Babu, IISER Mohali, India (Ha 203) "*Construction of carbocyclic rings having contiguous stereocentres*"

Host: Dr R. Grainger

**Tue 24 September Industry Seminar**

14.15 - Dr Foti Panagakos, Colgate-Palmolive Co. (Ha 203) "*Oral Care Research in an Industry Setting: From Concept to Product*"

Host: Prof Z. Pikramenou

**October 2013**

**Tue 1 October School Seminar**

14:00 - Prof. Simon Parsons, University of Edinburgh (Law LT3) "*Molecular Solids at Extreme Conditions*"

Host: Dr J. Hriljac

**Tue 8 October BSN Research Seminar**

14:00 - Dr Anne Duhme-Klair, University of York (McE G36) "*Siderophores, metallodrugs and metal-based luminescent sensors*"

Host: Dr A. Peacock

**Wed 9 October Athena-Swan Seminar**

13:00 - Prof. Dame Athene Donald, University of Cambridge (Bio 301) "*Facilitating Women's Progression to the Top*"

Host: Dr J. Coates and Dr U. Martin

**Thur 10 October MSC Research Seminar**

14:00 - Prof. Mike Organ, University of Toronto (ChE G35) "*Catalysts: Making them do what you want them to do and how you do that*"

Host: Dr P. Davies

**Tue 15 October MSC Research Seminar**

14:00 Dr Stephen Fletcher, University of Oxford (Law LT3) "*Mostly asymmetric additions with alkyl zirconium reagents*"

Host: Dr J. Fossey

**Tue 29 October PTC Research Seminar**

14:00 Dr Andrew Ellis, University of Leicester (McE G28) "*Helium nanodroplets: an exotic medium for exotic chemistry*"

Host: Prof. R. Tuckett

**November 2013**

**Tue 5 November School Seminar**

14:00 - Prof. Mathias Brust, University of Liverpool (Bio 301) "*Questions and tentative answers regarding the penetration of biomembranes by nanoparticles*"

Host: Prof. Z. Pikramenou

**Fri 8 November Medicinal Seminar**

14:00 - Prof. John Chaput, Arizona State University (Haw 203) "*On the origins of biomolecular function*"

Host: Dr Y. Mehellou

**Tue 19 November SSC Research Seminar**

14:00 - Dr Magdalena Titirici, Queen Mary (London) (McE G26) "*Biomass-derived Waterborne Carbons for Renewable Energy Applications and Sustainable Catalysis*"

Host: Dr. Z. Schnepf

**Tue 26 November MSC Research Seminar**

14:00 - Prof. Mike Greaney, University of Manchester (McE G33) "*New C-H activation chemistry for heterocycle synthesis*"

Host: Dr R. Grainger

## December 2013

### Tue 10 December **BSN Research Seminar**

14:00 - Dr Phil Holliger, University of Cambridge (Bio E102) "*Synthetic Genetics*"

Host: Prof. J. Tucker

### Mon 16 December **Postgraduate Symposium on Nanotechnology (/Documents/college-eps/chemistry/seminars/Nano-symp-flyer.pdf)**

10:00 - Lectures (Haworth Building)

Host: Dr Zoe Schnepf

## January 2014

### Tue 14 January **School Seminar**

14:00 - Prof. Kevin Booker-Milburn, University of Bristol (McE G33) "*The Development of Photochemical Techniques for Complex Molecule Synthesis*"

Host: Dr J. Fossey

### Tue 21 January **PTC Research Seminar**

14:00 - Dr Mike Ries, University of Leeds (Haw 203) "*Transforming Cellulose Processing*"

Host: Dr M. Britton

### Tue 28 January **SSC Research Seminar - CANCELLED**

14:00 - Dr Ivana Evans, University of Durham (Haw 203)

Host: Prof P. Slater

## February 2014

### Tue 4 February **School Seminar**

14:00 - Prof. Marc Koper, University of Leiden (McE G33) "*Electrocatalysis, from single crystals to single nanoparticles*"

Host: Dr S. Horswell

### 18 February **MSC Research Seminar**

14:00 Dr Andrew Smith University of St Andrews (Haw 203)

Host Dr R. Grainger

### 25 February **BSN Research Seminar**

14:00 Prof. Mike George, University of Nottingham (McE G33)

Host Prof. Z. Pikramenou

## March 2014

### Tue 4 March **School Seminar**

14:00 - Prof. Clare Grey, University of Cambridge (McE G33) "*Following function in real time: new NMR, MRI and diffraction methods to study function in lithium ion batteries and supercapacitors*"

Organiser: Prof. P. Slater

### Tue 11 March **School Seminar**

14:00 - Prof. Pratiba Gai, University of York (Haw 101) "*Seeing the Invisible: Watching the Secret Life of Atoms at Work in Chemical Reactions*"

Host: Prof. R. Johnston

### Tue 18 March **SSC Research Seminar**

14:00 - Dr Asel Sartbaeva, University of Bath (Bio 301) "*Flexible frameworks: novel geometries in zeolites and encapsulated nanomaterials*"

Host: Dr J. Hriljac

### Tue 25 March **Education Seminar**

14:00 - Prof. Matthew Almond, University of Reading (Bio 301) "*Integrating Skills Training into the Chemistry Curriculum*"

Host: Dr N. Rowley

## April 2014

### Tue 14 April **RSC Bioinorganic Award BSN Seminar**

14:00 - Prof. O'Halloran, Northwestern University (Haw 101) "*Inorganic Chemistry of Cellular Decision Making Processes: Structure and Dynamics of Transition Metal Receptors*"

Host: Prof. M. Hannon

### Tue 29 April **MSC Research Seminar**

14:00 - Prof. Matthew Gaunt, University of Cambridge

Organiser: Dr P. Davies

## May 2014

### Tue 6 May **School Seminar**

14:00 - Prof. Martin Schroeder, University of Nottingham (Bio 102) "*Gas Storage and Selectivity in Metal Organic Framework Materials*"

Host: Prof. P. Hannon

### Tue 13 May **SSC Research Seminar**

14:00 - Dr Andrew Goodwin, University of Oxford (Haw 203) "*Order, Disorder, Flexibility, Function*"

Host: Dr J. Hriljac

### Wed 14 May **Advanced Materials Research Seminar**

14:00 - Dr Andrew Cooper, University of Liverpool (Haw 203) "*Functional Organic Solids - Design or Discovery?*"

Host: Dr D Chakrabarti

### Thur 15 May **MSC Research Seminar**

14:00 - Prof. Joseph Sweeney, University of Huddersfield (LC UG07) "*Molecules and Messages: Balancing Research and Policy?*"

Host: Dr J. Fossey

### Mon 19 May **Research Seminar**

14.00 - Dr Brian Pauw, NIMS, Japan (Haw 203) "*All you ever wanted to know about SAXS: What, why, how and when.*"  
Host: Dr Z. Schnepf

Tue 20 May **RSC Organometallic Award MSC Seminar**

14.00 - Prof. John A. Gladysz, Texas A&M University (McE G33) "*Werner Complexes: A New Class of Chiral Hydrogen Bond Donor Catalysts for Enantioselective Organic Reactions*"

Host: Dr L. Cox

Tue 27 May **PTC Research Seminar**

14.00 - Dr Adam Kirrander, University of Edinburgh (Haw 203) "*Imaging Quantum Dynamics - new tools for photochemistry*"

Host: Dr G. Worth

**June 2014**

Tue 3 June **School Seminar** 14.00 - Prof. Veronique Gouverneur, University of Oxford (Bio E102) "*Fluorine (Radio)chemistry: From Basic to Clinic*" Host: Dr L. Cox

Tue 10 June **BSN Research Seminar** 14.00 - Prof. Christin Cardin, University of Reading (McE G33) "*Exciting results with DNA-ruthenium complexes*" Host: Prof. J. Tucker

Mon 30 June **School Seminar** 14.00 - Prof. Eileen Ingham, University of Leeds (ChE 124) "*Research, translation and commercialisation of acellular biological scaffolds*"

Host: Prof. Z. Pikramenou and Prof. Jon Preece

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