



RSC INTEREST GROUP  
**INORGANIC REACTION  
 MECHANISMS**

IRMG Conference  
 University of Bath, 3WN 2.1

**Tuesday 13th September**

12.30-13.15	Registration	
13.15-13.40	Nikolaus Gorgas <i>Imperial College London, UK</i>	Cooperative C–H Bond Activation by a Low-Spin d <sup>6</sup> Iron–Aluminium Complex
13.40-14.05	Laura English <i>University of Bath, UK</i>	<i>N</i> -heterocyclic Phosphines as Pre-catalysts for the Selective Degradation of Poly(lactic acid)
14.05-14.30	Gayathri Athavan <i>University of York, UK</i>	Understanding the Role of Ag(I) salts in the Pd- Catalysed C–H Activation of Fluorinated Aromatics
14.30-15.20	Doug Stephan <i>University of Toronto, Canada</i>	Frustrated Lewis Pairs: New Directions <u>ONLINE</u>
15.20-16.00	Coffee & Posters (3WN, 3.7)	
16.00-16.25	Mohamad Shazwan Shah Jamil <i>Universiti Teknologi, Malaysia</i>	Electronic and Steric Properties of [Rh(cod)Cl(NHC)] complexes containing Fluorinated <i>N</i> -heterocyclic Carbene Ligands
16.25-16.50	Kevin Lovelock <i>University of Reading, UK</i>	Probing organoboron Lewis acidity using X-ray spectroscopy
16.50-17.40	Vera Krewald <i>TU Darmstadt, Germany</i>	Nitrogen Photoactivation: Insights from Computational Chemistry
17.40-	Wine Reception (3WN, 3.7)	

## Wednesday 14th September

9.00-9.25	David Liptrot <i>University of Bath, UK</i>	Mechanisms of Reactivity of NHC-Supported Copper(I) Main Group Complexes
9.25-9.50	Neda Jeddi <i>University of York, UK</i>	Unravelling the Mechanistic Complexity in Catalytic Cross-coupling Reactions: A Focus on Pd <sub>3</sub> Cluster Species
9.50-10.40	Jennifer Garden <i>University of Edinburgh, UK</i>	Cooperative Multimetallic Main Group Complexes as Highly Active Ring-Opening Polymerisation Catalysts
10.40-11.20	Coffee & Posters (3WN, 3.7)	
11.20-11.45	Azza Hassoon <i>University of Szeged, Hungary</i>	Pharmacokinetics of the interaction of half-sandwich (Cp*)Rh(III) cation with methionine-containing peptides and their ternary species with (N,N) bidentate ligands <a href="#">ONLINE</a>
11.45-12.10	Andryj Borys <i>Universität Bern, Switzerland</i>	The Anionic Pathway in the Nickel-Catalysed Cross-Coupling of Aryl Ethers
12.10-12.35	Randolf Kohn <i>University of Bath, UK</i>	Mechanistic Studies on Catalytic Selective Olefin Trimerisation
12.35-13.45	Lunch & Posters (3WN, 3.7)	
13.45-14.35	Robin Bedford <i>University of Bristol, UK</i>	TBC
14.35-15.00	Emma Richards <i>Cardiff University, UK</i>	Single Electron Transfer: EPR Spectroscopy to Explore New Reactivities in 1st row and Main Group Catalysis, and Characterisation of Light-activated Processes
15.00-15.25	Alejandro Bara-Estaún <i>University of Bath, UK</i>	Characterisation of Acyl Intermediates in Rhodium/phosphine catalysed Hydroformylation by Multi-nuclear NMR spectroscopy
15.25-15.50	Paven Kisten <i>University of York, UK</i>	Ir <sup>I</sup> (η <sup>4</sup> -diene) precatalyst activation by strong bases: formation of anionic Ir <sup>III</sup> H <sub>4</sub>
<i>End of programme</i>		