

**RSC Dalton Community Northern Regional Meeting 2026**  
**Thursday 17 September 2026**



|                                       |                                                                                                                                                                                                                              |                                             |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 09:00                                 | Registration, poster/exhibitor set up                                                                                                                                                                                        | William Bragg Atrium, GR.18 and GR.25       |
| 10:00                                 | Opening remarks                                                                                                                                                                                                              | Chemistry West Block Lecture Theatre F G.74 |
| <i>Session Chair: Chris Pask</i>      |                                                                                                                                                                                                                              |                                             |
| 10:10                                 | <b>Open-shell Solid-state Molecular OrganoMetallic chemistry (SMOM): in crystallo synthesis, reactivity and catalysis with an iridium(II) hydride</b><br>Jack Heaton, University of York                                     | Chemistry West Block Lecture Theatre F G.74 |
| 10:30                                 | <b>Formation of titanium <math>\eta^2</math>-diphosphenes and hydrophosphination of activated alkenes with <math>\text{PH}_3</math></b><br>Leah Webster, University of Manchester                                            |                                             |
| 10:50                                 | <b>Double C–H activation of unfunctionalized tert-alkylbenzenes at the ortho and homobenzylic positions</b><br>Oliver Jacobs, University of Liverpool                                                                        |                                             |
| 11:10                                 | Coffee/Tea                                                                                                                                                                                                                   | William Bragg Atrium, GR.18 and GR.25       |
| <i>Session Chair: Michael Hardie</i>  |                                                                                                                                                                                                                              |                                             |
| 11:40                                 | <b>Synthesis and magnetism of non-traditional lanthanide(II) N-bidentate complexes</b><br>Peng-Bo Jin, University of Manchester                                                                                              | Chemistry West Block Lecture Theatre F G.74 |
| 12:00                                 | <b>Integration of pillar[5]arene based rotaxanes into metal-organic polyhedra</b><br>Josie Robins, University of Birmingham                                                                                                  |                                             |
| 12:20                                 | <b>Catalyst environment of rhodium complexes in ionic liquids explored through 2D-IR spectroscopy</b><br>Samuel Bird, University of York                                                                                     |                                             |
| 12:40                                 | Lunch and posters                                                                                                                                                                                                            | William Bragg Atrium, GR.18 and GR.25       |
| <i>Session Chair: Patrick McGowan</i> |                                                                                                                                                                                                                              |                                             |
| 14:00                                 | <b>Electrochemically active ruthenium macrocycles as potential hosts and sensors for bio-anions and biomolecules</b><br>Maddison Gilbey, University of Sheffield                                                             | Chemistry West Block Lecture Theatre F G.74 |
| 14:20                                 | <b>Synthesis and evaluation of dual-action gold(I) anticancer complexes with bioactive ligands</b><br>Bradley Unwin, Sheffield Hallam University                                                                             |                                             |
| 14:40                                 | <b>Linking short-term structural stability to antibacterial activity and the apparent therapeutic window in ligand-protected <math>\text{Au}_{25}</math> nanoclusters</b><br>Sobhan Mortazavi-Derazkola, University of Leeds |                                             |

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| 15:00                               | Coffee/Tea                                                                                                                                                                  | William Bragg Atrium,<br>GR.18 and GR.25          |
| <i>Session Chair: Gilian Thomas</i> |                                                                                                                                                                             |                                                   |
| 15:30                               | <b>Sulfur-containing porous carbon materials for platinum group metal recovery</b><br>Nicholas Garland, University of York                                                  | Chemistry West Block<br>Lecture Theatre F<br>G.74 |
| 15:50                               | <b>Low-temperature dependency pressure-sensitive paints for wind tunnel testing based on luminescent polymer-bound porphyrins</b><br>Elliott Nunn, University of Manchester |                                                   |
| 16:10                               | <b>Mond-Nyholm Prize Lecture</b><br><b>Professor Euan K Brechin, University of Edinburgh</b><br>Award presented by Professor Andrew Weller                                  |                                                   |
| 17:00                               | Closing remarks and awards                                                                                                                                                  |                                                   |

### Poster Presentations

**Photoactive iron(II) bis(2,6-dipyrazol-1-yl-pyridine) spin-crossover complexes functionalised with proximal heteroaryl azo substituents**

Gavyn Chesher, University of Leeds

**Towards anionic pincer complexes for CO<sub>2</sub> hydrogenation**

Mads Møller, University of York

**N–H bond activation by a geometrically constrained Phosphorous trisamide**

Sina Schmidt, University of Manchester

**Re-evaluation of Schrock-Osborn catalyst effectiveness for <sup>1</sup>H & <sup>13</sup>C para-hydrogen induced polarisation NMR**

Ian Gray, University of York

**Uranocenium – The bis-[8]annulene Uranium Cation**

Cameron Deakin, University of Manchester

**Highly axial dysprosium cyclopentadienyl-amide single-molecule magnets**

Hamish Hourston, University of Manchester

**A data-dense approach to catalyst development for sustainable synthesis**

Ria-May Berry, University of Leeds

**Using benzene as an alkene equivalent for Diels-Alder reactions**

George Giles, University of Manchester

**Exploring bulky tetrasubstituted COT ligands with rare earth elements**

Stanley Bagio, University of Manchester

**Ringing the Changes in SMOM**

Peter Shaw, University of York

**Amidoborate Doping for the Controlled Synthesis of Polyaminoboranes and Their Use as Precursors for Boron Nitride**

Dominykas Dautoras, University of York

**Redox Chemistry of f-block complexes with a Simple Diamide Ligand**

Orry Mayne, University of Manchester

**Studying site selectivity in Suzuki-Miyaura cross-coupling reactions using earth abundant Ni based catalytic systems**

Arushi Tiwari, University of York

**Synthesis and Evaluation of Dual-Action Gold(I) Anticancer Complexes with Bioactive Ligands**

Bradley Unwin, Sheffield Hallam University

**EPR Study on the Interaction of Oxygen and Nitric Oxide with Octa-Substituted Cobalt Phthalocyanines**

Runyu Zhang, University of Manchester

**Activation of CO<sub>2</sub> by lanthanum tris(cyclopentadienyls)**

Samilli Vasconcelos, University of Manchester

**Getting the gold in: one-pot transmetallation mediated by palladium(II) complexes**

Gowri Manohari Satish, University of York

**Ligand-Induced Structural Disorder in layered Metal-Organic Frameworks for Exfoliation of Faceted 2D Metal-Organic Nanosheets**

Vyom Tyagi, University of York

**Small Molecule Activation and Redox Chemistry of Divalent bis-(tethered)arene Rare Earth Complexes**

Ross MacKenzie, University of Manchester

**Divalent scandium anions bearing heterocyclic ligands: synthesis and electronic structure**

Liam Griffin, University of Oxford

**Catalytic Synthesis of Poly(N-ethylaminoborane) as a Precursor to BN Materials**

Alexander Watson, University of York

**Visible-Light-Driven CO<sub>2</sub> Conversion into Value-Added Fuels Using Metal-Integrated UiO-66-NH<sub>2</sub>-SH MOFs**

Amna Bibi, University of Cambridge

**Achieving Single Scan Rhodium-103 NMR and Its Application to Reaction Monitoring**

Dean McGettigan, University of York

**Electron bridges for balancing the activity–stability trade-off in electrocatalysis**

Xiuxiu Han, University of Birmingham

**Platinum dimethyl complexes facilitate novel parahydrogen sensitised NMR spectroscopy**

Matthew McCabe, University of York

**Detecting Low-Concentration Iridium Intermediates Using NMR spectroscopy**

Samira Al-Sharafi, University of York