



University of
St Andrews

Scottish Dalton Meeting 2021

Thursday, August 26, 2021, School of Chemistry, University of St Andrews, online on MS Teams

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|---------------|---|
| 10:30 – 10:35 | <i>Welcome</i> |
| 10:35 – 11:20 | Prof Alan Welch, (Heriot-Watt University)
<i>Aspects of the structural chemistry of heteroboranes</i> |
| 11:20 – 11:45 | Dr Yiping Shi (Durham University)
<i>Conversion of bio-derived butanol to butene in a cascade process</i> |
| 11:45 – 12:10 | Dr Amit Kumar (University of St Andrews)
<i>(De)hydrogenative Catalysis for the Synthesis and Degradation of Plastics</i> |
| 12:10 – 13:10 | <i>Break</i> |
| 13:10 – 13:35 | Dr Stephen Mansell (Heriot-Watt University)
<i>C-H Activation and Catalysis using Unconventional Complexes</i> |
| 13:35 – 14:00 | Dr Cath Weetman (University of Strathclyde)
<i>Small Molecule Activation and Catalysis with Low-Oxidation State Main Group Compounds</i> |
| 14:00 – 14:25 | Dr Nicola Bell (Glasgow University)
<i>Ionising Cross Coupling</i> |
| 14:25 – 15:00 | <i>Flash presentations by PhD students and postdoctoral researchers</i> |
| 15:00 – 15:20 | <i>Break</i> |
| 15:20 – 15:45 | Dr James Knight (Newcastle University)
<i>Dual-Modality (PET/NIR) Immunoconjugates for Image-Guided Sarcoma Surgery</i> |
| 15:45 – 16:10 | Dr James Cumby (University of Edinburgh)
<i>Quantifying crystal similarity to predict material properties</i> |
| 16:10 – 16:55 | Prof Louise Berben (University of California, Davis)
<i>Metal cluster electrocatalysts: Fast proton transfer and selective formate formation from CO₂</i> |
| 16:55 – 17:00 | <i>Flash presentation prizes & Closing Remarks</i> |