UKPorMat ECR Meeting 2026

University of Liverpool, Central Teaching Hub, L69 7BX

Day 1 – Monday 24th August

12:00 – 13:00	Registration and lunch	
13:00 – 13:15	Welcome and introduction	**Lauren McHugh** University of Liverpool
Plenary lecture 1		**Chair: Lauren McHugh** University of Liverpool
13:15 – 13:55	Remembering the lab in computational materials discovery	**Kim Jelfs** Imperial College London
Contributed talks - session 1		**Chair: Isaiah Borne** University of Liverpool
13:55 – 14:15	Thermal behaviour of Heterometallic Titanium-Organic Frameworks	**Javier Castells-Gil** University of Birmingham
14:15 – 14:35	Photocatalytic decarboxylative alkylation mediated by a triphenylphosphine-based covalent organic framework	**Christopher Bradshaw** University of Liverpool
14:35 – 14:55	Direct visualisation of linker insertion and substitution in a layered MOF through in situ atomic force microscopy	**Mollie Trueman** University of Manchester
14:55 – 15:15	Lewis acidic UiO-67 as a catalyst for the hydroboration of aldehydes	**Paige Hawkins** Keele University
15:15 – 15:45	Coffee break	
Contributed talks - session 2		**Chair: Bethan Turner** University of Liverpool
15:45 – 16:05	Promoting order and sustainability in periodic mesoporous silica through computational design	**Andrew Mawbey** University of Strathclyde
16:05 – 16:25	Near-Field Optical Microscopy for Zr-Based Metal-Organic Frameworks Coatings on Textiles	**Harry Woodfin** University of Oxford
16:25 – 16:45	The use of the Pair distribution function in Metal-Organic Framework composites	**Celia Castillo Blas** Institute of Materials Science of Madrid (ICMM-CSIC)
16:45 – 17:05	Structure-Performance Relationships of Zeolite Adsorbents for CO_2 Capture: Influence of Particle Size and Morphology	**Israa Alghurabi** University of Birmingham
17:05 – 17:25	Low Energy CO_2 Separation via Vapor Assisted Polymorph Swing Adsorption in Hydrophobic HOF Fibers	**Samuel Harding** University of Liverpool
Technical keynote lecture		**Chair: Bethan Turner** University of Liverpool
17:25 – 17:55	Understanding Powder Diffraction Measurements and Interpretation in Porous Materials	**Jamie Gould** University College London
18:00 - 21:00	Poster Session and buffet dinner	

Day 2 – Tuesday 25th August

Contributed talks - session 3		**Chair: Jay McCarron** University of Liverpool
09:00 – 09:20	Designing Metal–Organic Frameworks for Energy Applications: Hierarchical Porosity and Electronic Conductivity	**Blesson Sunny** University of Warwick
09:20 – 09:40	Developing Mechanochemical Routes to Porous Lantern-Type MOPs	**Megan G. Wilkinson** University of Strathclyde
09:40 – 10:00	StableMOF: Chemical name representations for stability prediction in metal-organic frameworks (MOFs)	**Kewei Zhu** University College London
10:00 – 10:20	Host-Guest Interactions and Confinement of Biomass-Derived Molecules in ZSM-5 Zeolites	**Kyle Watson** University of Liverpool
10:20 – 10:40	Tuning Disorder and Function in Porous Framework Materials	**Emily Meekel** University of Birmingham
10:40 - 11:10	Coffee break	
Contributed talks - session 4		**Chair: Grace Farmer** University of Liverpool
11:10 – 11:30	Metal organic framework (MOF)-based microfluidic paper-based analytical devices (μPADs) for the detection of nutrients in waters	**Niamh Yates** University of Southampton
11:30 – 11:50	Nitrogen Abundant Organic Porous Materials for Efficient Energy Storage and Conversion	**Korak Kar** University of Manchester
11:50 – 12:10	Reaction-aware autonomous batch synthesis of metal-organic frameworks	**Zuyang Ye** University of Cambridge
12:10 – 12:30	Synthesis of Dispersible Porous Polymer Particles (d-PPPs) for the Valorisation of Sugars	**Robert Matthews** University of Sheffield
Plenary lecture 2		**Chair: Alexandros Katsoulidis** University of Liverpool
12:30 – 13:10	Metal-organic quantum materials	**Matthew Cliffe** University of Cambridge
13:10 – 13:30	Prizes and closing remarks	**Lauren McHugh** University of Liverpool