



# RSC INTEREST GROUP NMR DISCUSSION

## Winter Meeting Thursday 11<sup>th</sup> December 2025

10:00 – 10:30  
*Arrival and refreshments*

### Morning Session

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**Chair: Simon Duckett**

10:30 – 10:35 **Stuart Elliott**  
*Opening remarks*

10:35 – 11:05 **Christina Redfield, University of Oxford**  
*45 years of fun with biomolecular NMR at Oxford*

11:05 – 11:35 **Stephen Wimperis, Lancaster University**  
*Multiple-quantum  $^7\text{Li}$  ( $I = 3/2$ ) NMR as a probe of ion mobility in solids*

11:35 – 11:55 **Ella-May Hards, King's College London (PG Prize Winner)**  
 *$^{19}\text{F}$ - and  $^{18}\text{F}$ -labelled carnitines: a dual approach using NMR and PET imaging to visualize carnitine utilisation and metabolism*

11:55 – 12:35 **Dominik Kubicki, University of Birmingham**  
*Atomic-level structure of Na-doped MOF glasses*

12:35 – 13:50 **Lunch**

### Afternoon Session

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**Chair: John Lowe**

13:50 – 14:05 **Melanie Britton & Andy Gibbs**  
*NMRDG business*

14:05 – 14:25 **Jack Bercovici, University of Oxford (PG Prize Winner)**  
*Ultrabroadband and Multinuclear NMR: Pushing the boundaries of existing hardware with Seedless optimal control pulses*

14:25 – 14:55 **Meghan Halse, University of York**  
*Parahydrogen-enhanced benchtop NMR spectroscopy for analytical applications*

14:55 – 15:25 **Coffee**

15:25 – 15:55 **Guy Lloyd-Jones, University of Edinburgh**  
*Mixing it up: mechanisms by NMR*

15:55 – 16:25 **Peter Hore, University of Oxford**  
*Animal-Detected Magnetic Resonance*

16:25 – 16:30 **Melanie Britton**  
*Closing remarks*

16:30  
*Departure*