

**Day 1**

09:00- 10:15	Registration and Coffee	-	
10:15 – 10:30	Opening	Giuseppe Pileio	
<b>Session 1 (Chair - Giuseppe Pileio)</b>			
10:30 – 11:00	Invited Speaker	Mark Smith	Probing Atomic Ordering, Bonding Arrangements and Magnetic Properties in Inorganic Materials with Magnetic Resonance
11:00 – 11:20	Contributed Talk	Steven P. Brown	NMR Crystallography of Pharmaceuticals
11:20 – 11:40	Contributed Talk	Nouran Hamed	Shedding light on reaction mixtures: disentangling 1H spectra using 19F signals
11:40 – 12:00	Contributed Talk	Daniel A. Taylor	Automated SABRE-hyperpolarised benchtop NMR spectroscopy
12:00 – 12:20	Contributed Talk	Mohamed Sabba	Surprises in strongly-coupled nuclear spin-1/2 pairs: new strategies for efficient double-quantum excitation
12:20 – 13:40	Lunch		
<b>Session 2 (Chair - Phil Williamson)</b>			
13:40 – 14:10	Invited Speaker	Teresa Carlomagno	Methods for structure determination of RNA and RNA-protein complexes by solid-state NMR
14:10 – 14:30	Contributed Talk	Murari Soundararajan	Probing the density of states of the superconductor Rb3C60 with site-selective 3He NMR relaxation studies
14:30 – 14:50	Contributed Talk	Zheqi Jin	Generative Machine Learning for Automating Structure Elucidation in Synthesis
14:50 – 15:10	Contributed Talk	Stuart Elliott	Stretch-Induced Ordering of Prochiral Dimethyl Sulfoxide in Anisotropic Hydrogels Analysed by 1H and 2H Nuclear Magnetic Resonance
15:10 – 16:00	Coffee Break + Posters		
<b>Session 3 (Chair - Jon Swann)</b>			
16:00 – 16:20	Contributed Talk	Elizabeth Wimborne	Using 1H NMR-based metabolomics to explore how early life exposures modulate development
16:20 – 16:40	Contributed Talk	Trey Koev	Molecular imaging of long-acting injectable formulations by NMR spectroscopy
16:40 – 17:00	Contributed Talk	Adam Gaunt	Radical-Free Hyperpolarized Substrates: Non-persistent Radicals for Dissolution DNP
17:00 – 17:30	Invited Speaker	Kevin Brindle	Imaging tumour metabolic subtypes and their responses to treatment
17:30 – 19:00	Reception Drinks + Posters		
19:00 – 21:00	Social Dinner		
21:00 – 22:00	All invited to Stags Pub		

## Day 2

### Session 4 (Chair – Malcolm Levitt)

09:00 – 9:30	Invited Speaker	Lyndon Emsley	High-field optically induced NMR hyperpolarization in solids
09:30 – 9:50	Contributed Talk	George Bacanu	NMR of endofullerenes and endofullerides
09:50 – 10:10	Contributed Talk	Joseph Hurd	Triangulation of guest species in porous frameworks using solid-state NMR spectroscopy
10:10 – 10:30	Contributed Talk	Daniel Dawson	Understanding pNMR Spectra of Solids
10:30 – 10:50	Contributed Talk	Shrestha Banerjee	“Pseudo-halides” in metal halide perovskites: Investigating incorporation, binding modes, dynamics, and effect on stability by ssNMR

10:50 – 11:30 Coffee Break + Posters

### Session 5 (Chair - Melanie Britton)

11:30 – 11:50	Contributed Talk	Ran Eitan Abutbul	NMR and DNP Techniques for Probing Surface and Core Environments in Semiconducting Nanocrystals
11:50 – 12:10	Contributed Talk	Daria Torodii	Observation of 1H-1H J-Couplings in Fast MAS Solid-State NMR
12:10 – 12:30	Contributed Talk	Paul Hodgkinson	New mechanisms of relaxor ferroelectricity revealed by solid-state NMR
12:30 – 13:00	Invited Speaker	Józef Lewandowski	Adventures in fast magic angle spinning

13:00 – 14:00 Lunch Break + Posters

### Session 6 (Chair - Thomas Robertson)

14:00 – 14:20	Contributed Talk	Manoj Nimbalkar	Empowering surgeons with real-time precision and efficiency with innovative instrumentation and methods for enhanced surgical outcomes in breast cancer using the FFC NMR method
14:20 – 14:40	Contributed Talk	Elizaveta Suturina	Synergy of paramagnetic NMR and computational chemistry
14:40 – 15:00	Contributed Talk	Alexander van der Ham	NMR Experiments in the Context of Liquid-state Overhauser Dynamic Nuclear Polarization
15:00 – 15:20	Contributed Talk	Ellie Davies	Selective TOCSY-2DJ Spectroscopy
15:20 – 15:50	Invited Speaker	Malcolm Levitt	The Return of Symmetry-Based Pulse Sequences

15:50 – 16:00 Closing Remarks

16:00 - onwards Coffee and Departure