

## Postgraduate Meeting – Provisional Schedule

School of Pharmacy, UCL

Monday 16<sup>th</sup> June 2025

15:30 Registration desk opens  
Poster setup

16:15 Welcome & Plenary 1 (**G10 Chandler House\***)  
*Decoding amyloid signalling in necroptosis by cryoprobe-  
detected solid-state NMR*  
**Miguel Mompéan** (Institute of Physical Chemistry, Madrid)

17:00 Poster session 1

18:00 Pizza and drinks

\* Chandler House is a short walk from the School of Pharmacy:



## Postgraduate Meeting – Provisional Schedule

School of Pharmacy, UCL

Tuesday 17<sup>th</sup> June 2025

9:00	Arrival and coffee
9:30	<p>Plenary 2</p> <p><i>Order and disorder in protein-RNA interactions: telling the tale of the La-related proteins through NMR and biophysical characterisations</i></p> <p><b>Sasi Conte</b> (King's College London)</p>
10:10	<p><i><sup>19</sup>F- and <sup>18</sup>F-labelled carnitines: a dual approach using NMR and PET imaging to visualize carnitine utilisation and metabolism</i></p> <p><b>Ella-May Hards</b> (King's College London)</p>
10:30	Flash presentations
10:40	Coffee
11:00	<p><i>Chemical shift imaging NMR to investigate DNA i-motif folding</i></p> <p><b>Jonathan Hewitt</b> (University of East Anglia)</p>
11:20	<p><i>Investigating water-accessibility in holocellulose nanofibrils using fast MAS solid-state NMR</i></p> <p><b>Jairah Lubay</b> (University of Warwick)</p>
11:40	<p><i>Characterising the intrinsically-disordered C-terminal domain of calreticulin by solution-state NMR spectroscopy</i></p> <p><b>Kleopatra Savvidou</b> (University College London)</p>
12:00	Discussion forum
12:20	Lunch

13:00	<p><i>Understanding water adsorption in CALF-20 via <math>^1\text{H}</math>, <math>^2\text{H}</math> and <math>^{17}\text{O}</math> NMR spectroscopy for carbon capture applications</i></p> <p><b>Louie Lovell</b> (University of Birmingham)</p>
13:20	<p><i>Using TROSY-based NMR experiments and deep learning to characterise aromatic residues in large proteins</i></p> <p><b>Darshil Kapadia</b> (University College London)</p>
13:40	<p><i>Towards an experimental toolbox for MAS NMR of paramagnetic lanthanide &amp; actinide organometallics</i></p> <p><b>Katherine Bonham</b> (University of Manchester)</p>
14:00	<p><i>Generative machine learning for automating structure elucidation in synthesis</i></p> <p><b>Zheqi Jin</b> (Univeristy of Bristol)</p>
14:20	Poster session 2 + coffee
15:20	<p><i>Solid-state NMR of roxithromycin in crystalline and gel state</i></p> <p><b>Svetlana Pavlovic</b> (University of Warwick)</p>
15:40	<p><i>NMR characterisation of the intrinsically disordered protein JPT2: structural insights and microtubule interactions</i></p> <p><b>Kirsten Silvey</b> (UCL)</p>
14:00	<p><i>Enhanced signal discrimination in SABRE hyperpolarised <math>^1\text{H}</math> benchtop NMR</i></p> <p><b>Gregory Yule</b> (University of York)</p>
16:20	Prizes and closing remarks
16:30	Meeting closes