CCPN Conference 2021
University of Cumbria, Ambleside, UK
25th–27th August 2021

with sponsorship from
Wednesday 25th August

7:30–8:45 Breakfast for those staying Tuesday night (The Barn and marquees)

9:00–12:00 The CcpNmr Analysis V3 Workshop (Charlotte Mason Building / online)

11:00 Registration & Check-in (Marquee outside the Barn)
12:00 Packed lunches available for collection (The Barn)

13:30 **Helen Mott**: Introduction (Charlotte Mason Building / online)

**Session 1: Computational Methods**

*Session Chair: Christina Redfield (University of Oxford)*

13:40 **Nick Fowler & Mike Williamson** (University of Sheffield)

*Validating protein structures with ANSURR*

14:20 **Andy Baldwin** (University of Oxford)

*A new way to peak pick in 1–4D NMR spectra: applications to STD, metabolomics and protein backbone assignment*

14:50 **Jake Keeley** (University of Southampton)

*Deep neural networks to analyse biomolecular NMR data*

15:20 Break (Tea/Coffee)

15:50 **Gogulan Karunanithy** (University College London)

*Applications of Deep Learning for the Analysis of NMR data*

16:20 Discussion

16:50 **Geerten Vuister & Victoria Higman** (University of Leicester)

*CCPN Update – What’s new and what’s next*

17:30 **Helen Mott/Brian Smith** CCPN Assembly Meeting

18:15 Poster Session (Langdale Building / online)

19:30 Dinner (The Barn and marquees)
Thursday, 26th August

7:30–8:45 Breakfast (*The Barn and marquees*)
8:55 Meeting Starts (*Charlotte Mason Building / online*)

**Session 2: Dynamics**

*Session Chair: Joern Werner (University of Southampton)*

9:00 **Fabien Ferrage** (Ecole Normale Supérieure, Paris)

> What should I do with all these relaxation rates?

9:40 **Chris Waudby** (University College, London)

> Probing chemical exchange using multiple–quantum coherences

10:10 **Albert Smith–Penzel** (University of Leipzig)

> To model or not: considerations when analysing relaxation data

10:40 Break (Tea /Coffee)

11:10 **Daniel Nietlispatch** (University of Cambridge)

> G protein–coupled receptor signalling – a dynamic perspective

11:40 Discussion

12:00 Packed lunches available for collection (*The Barn*)

13:00 Walks (*meet outside The Barn*)

18:00 Poster Session (*Langdale Building / online*)

19:30 BBQ Dinner & Poster Prize Presentation (*The Barn and marquees*)
Friday 27th August
7:30–8:45 Breakfast *(The Barn and marquees)*
8:55 Meeting Starts *(Charlotte Mason Building / online)*

**Session 3: Beyond Solution NMR**

*Session Chair: Chris Waudby (University College, London)*

9:00 **Melinda Duer** (University of Cambridge)
  Heavy mice and lighter things: using solid state NMR to study the extracellular matrix in health and disease

9:40 **Miguel Mompeán** (IQFR, Madrid)
  Combined solution and solid–state NMR studies of assembling proteins

10:10 **Maxie Roessler** (Imperial College, London)
  Insights into redox active proteins from EPR spectroscopy

10:40 Break (Tea /Coffee)

11:10 **Marek Plata** (University of Southampton)
  Microfluidic NMR in characterisation of protein–ligand interactions

11:40 Discussion

12:00 Discussion Overall Meeting and Closing Remarks

12:15 Packed lunches available for collection *(The Barn)*