

CCPN

CCPN Conference 2023

University of Glasgow, UK
6th – 8th July 2023

with support from



charles river



Thursday 6th July

Registration

Sir Charles Wilson Building Foyer

13:30–15:00 Registration & Check-in

Plenary Session 1

Sir Charles Wilson Building Lecture Theatre

15:00 **Helen Mott** (University of Cambridge)
Welcome

Scientific Session 1: Integrated Structural Biology

Session Chair: **Rivka Isaacson** (King's College London)

15:10 **Tatyana Polenova** (University of Delaware)
Integrative Structural Biology: Peering into Large Assemblies with Atomic Resolution

15:50 **Emil Thomassen** (University of Copenhagen)
Conformational and oligomeric states of SPOP from SAXS and MD simulations

16:15 **Laura Itzhaki** (University of Cambridge)
An integrated approach to developing constrained peptides as anti-malarials

16:40 Tea/Coffee Break *Sir Charles Wilson Building Foyer*

17:10 **Santiago Martínez Lumbreras** (Technical University Munich) *online*
Understanding the role of the splicing factor PRPF40A in early spliceosomal assemblies using integrated methods

17:45 **Discussion**

18:15 **Poster Flash Talks**

Poster Session 1

Sir Charles Wilson Building Foyer

18:30 Presentation of odd-numbered Posters

19:30 Dinner *Glasgow University Union Dining Hall*

Friday, 7th July

7:30–8:45 Breakfast *Glasgow University Union Dining Hall*

Plenary Session 2 *Sir Charles Wilson Building Lecture Theatre*

8:55 Meeting Starts

Scientific Session 2: Assignment and Automated Methods

Session Chair: **Gary Thompson** (University of Kent)

9:00 **Charles Schwieters** (NIH)
Topics in automating structure determination
using the Xplor–NIH package

9:40 **Alex Heyham** (University of Leeds)
SNAPS: a tool for Simple NMR Assignments using Predicted Shifts

10:05 **Sarah Kuschert** (University of Queensland) *online*
Facilitating the structural characterisation of non–canonical amino
acids in biomolecular NMR

10:30 Tea/Coffee Break *Sir Charles Wilson Building Foyer*

11:00 **Uluk Rasulov** (University of Southampton)
Neural network assisted backbone resonance assignment for large
proteins with a single HNCA

11:25 **Discussion**

11:55 **Poster Flash Talks**

12:15 Packed lunches for collection *Sir Charles Wilson Building Foyer*

Walks

near Sir Charles Wilson Building

- 12:30 Bus to Balmaha on Loch Lomond for the opportunity to go for a walk, hire rowing boats, sit on the beach or go to a café or pub if the weather is less good.
- 16:15 Bus leaves Balmaha to drop us off at the Queen Margaret Residences accommodation block.
- 18:00 Bus from Queen Margaret Residences accommodation block to Sir Charles Wilson Building

Poster Session 2

Sir Charles Wilson Building Lecture Theatre

- 18:15 Presentation of even-numbered Posters

- 19:30 Conference Dinner *Glasgow University Union Dining Hall*
including presentation of Poster Prizes
sponsored by the British Biophysical Society



Saturday 8th July

7:30–8:55 Breakfast *Sir Charles Wilson Building Foyer*

Plenary Session 3 *Sir Charles Wilson Building Lecture Theatre*

8:55 Meeting Starts

Scientific Session 3: NMR for small molecule drug discovery

Session Chair: **Mark Bostock** (Astra Zeneca) and **Chris Waudby** (University College London)

9:00 **Stanislava Panova** (Astex Therapeutics)
NMR for small molecule drug discovery

9:40 **Gabriella Heller** (University College London)
Drugging intrinsically disordered proteins with NMR and MD

10:10 **Ridvan Nepravishta** (Cancer Research Horizons, Beatson Institute)
Screening with STD–NMR

10:40 Tea/Coffee Break *Sir Charles Wilson Building Foyer*

11:10 **Kevin Haubrich** (University of Dundee)
¹⁹F NMR for drug design of E3 ligase ligands and PROTACs

11:40 Discussion

CCPN Update and Assembly Meeting

12:00 **Geerten Vuister** and **Vicky Higman**
CCPN Update

12:30 **Helen Mott**
CCPN Assembly Meeting and Closing Remarks

13:00 Lunch *Sir Charles Wilson Building Foyer*

Workshop *Sir Charles Wilson Building Room 101A/B*

14:00–17:00 CcpNmr Analysis V3 Workshop with tea/coffee break