



UNIVERSITY OF LEEDS

Chairman:

Professor Simon Duckett CChem FRSC
Department of Chemistry
University of York,
Heslington,
York,
YO10 5DD
Tel: +44 (0) 1904 322564
Email: simon.duckett@york.ac.uk

Secretary:

Dr Stephen Byard CChem FRSC
Head of Molecule Development and
Scientific Direction
ARCINOVA
Taylor Drive
Alnwick
Northumberland NE66 2DH
Tel: +44 (0) 1665 608544
Email: Stephen.byard@arcinova.uk

Treasurer:

Dr John Parkinson CChem FRSC
Department of Pure & Applied Chemistry
University of Strathclyde
Thomas Graham Building
295 Cathedral Street,
Glasgow G1 1XL
Tel: +44 (0) 141 5482820
Fax: +44 (0) 141 5484822
Email: john.parkinson@strath.ac.uk

An Interest Group of the Royal Society of Chemistry
Charity Registration No. 207890

NMR in Biophysics and Molecular Biology

Date of meeting: Wednesday 10th - Thursday 11th April 2019

Meeting venue: Conference Auditorium 2
University of Leeds,
Woodhouse Lane,
Leeds,
LS2 9JT

Dear NMR Spectroscopist,

One of the principal objectives of the NMR Discussion Group is to provide mechanisms for educating, sharing ideas and promoting recent developments in NMR and related disciplines. The group continues to provide such opportunities for scientists that work in many different areas associated with magnetic resonance. On this occasion, we are delighted to be hosting a joint two-day event in conjunction with the British Biophysical Society, facilitating exchange of information from cutting-edge research activities in Biophysics and Molecular Biology. There will also be opportunities to present posters and meet informally with other research workers. In particular, early career research workers are encouraged to attend the event, and bursaries will be made available to those who submit an abstract which is accepted for either a poster or short oral presentation.

Whilst the event is dedicated to NMR in biophysics and molecular biology, it is intended that the meeting programme will be of general interest, offering educational content to an audience beyond spectroscopists directly associated with biological or biophysical NMR. This may be either through direct relevance or through potential applicability.

Tours of the modern, recently installed, NMR and cryo-TEM facilities available in Biological Sciences at the University of Leeds, will also be offered during the meeting.

The forthcoming meeting comprises presentations covering a diverse range of subjects and is scheduled to take place on **Wednesday 10th – Thursday 11th April 2019** at the easily accessed Conference Auditorium, University of Leeds. Relevant maps showing the venue location within Leeds are shown below, and also complementary information can be accessed using the link <https://www.meetinleeds.co.uk/location/getting-to-the-university-of-leeds/#toggle-id-3>

A full meeting programme is shown at the end of this letter. Invited speakers include:

- Alvar Gossert - ETH Zürich, Switzerland
- Bob Griffin – Massachusetts Institute of Technology, USA
- Ulrich Gunther – University of Birmingham
- Gabi Heller – University of Cambridge
- Josef Lewandowsky – University of Warwick
- Steve Matthews – Imperial College, London
- Jennifer Potts – University of York
- Sheena Radford – University of Leeds
- Christina Redfield – University of Oxford
- Michael Sattler - Technische Universität München, Germany
- Katherine Stott – University of Cambridge
- Geerten Vuister – University of Leicester
- Anastasia Zhuraleva – University of Leeds

Additional helpful information is presented in following sub-sections. On behalf of the Royal Society of Chemistry NMR Discussion Group, British Biophysical Society and University of Leeds, we look forward to welcoming you to this event.

Yours sincerely,

Prof Simon Duckett – NMR DG Chairperson, University of York

Dr Stephen Byard - NMR DG Secretary, Arcinova

Dr Tharin Blumenschein – British Biophysical Society

Dr Anastasia Zhuravleva – Local organizer, University of Leeds

Prof Alex Breeze – Local organizer, University of Leeds

Full conference details are accessible on the following web links:

<http://www.rsc.org/events/detail/37139/nmr-in-biophysics-and-molecular-biology>

<http://www.nmrdg.org.uk/>

Registration

Registration is now open and can be completed via the RSC website

<http://www.rsc.org/events/detail/37139/nmr-in-biophysics-and-molecular-biology>

or directly by using the link below:

https://events.rsc.org/rsc/frontend/reg/tSelectBookingMode.csp?pageID=535404&_ga=2.187378541.458711515.1544951926-1035153658.1526713032&_gac=1.36294548.1543875538.EAIaIQobChMInsibtNiE3wIV7pztCh2smgK1EAAYASAAEgI8SfD_BwE&eventID=1583&tempPersonID=678716

Due to the generous sponsorship and support provided for this event, we are able to offer exceptionally low registration rates for a two-day event of this calibre as listed below. Additional discounts are offered to RSC and British Biophysics Society members. Discount codes to be applied at the time of registration are: The discount codes are as follows:

Retired delegates: 19NMRRETIRE

British Biophysical Society member: 19NMRBSM

Early bird

Member £60

Non member £80

Student member £25

Student non member £45

Standard

Member £80

Non member £100

Student member £45

Student non member £65

Key Dates:

Early bird registration deadline: 22nd February 2019

Standard registration deadline: 15th March 2019

Poster abstract submission, with option to make short oral presentation: 1st March 2019

Poster abstract submission, **no** option to make oral presentation: 8th March 2019

Poster submissions:

A Poster Abstract Submission Form is also accessible via the RSC website

<http://www.rsc.org/events/detail/37139/nmr-in-biophysics-and-molecular-biology>

Please return completed abstract submission form by email, as a Word document, to stephen.byard@arcinova.uk, in accordance with deadlines:

Poster abstract submission, with option to make short oral presentation: 1st March 2019

*Poster abstract submission, **no** option to make oral presentation: 8th March 2019*

Generous prizes will be offered to best poster for established researcher, early career researcher and oral poster presenter.

Portrait poster boards (1.0 m wide by 2.0 m tall) will be provided for poster mounting, which should be performed during the registration period at the start of the first day of the meeting. All posters should be removed immediately at the end of the meeting.

Event sponsorship

The NMR Discussion Group and British Biophysical Society are extremely grateful to the following organisations for their generous support, to make this event accessible to such a diverse range of NMR spectroscopists:

Platinum sponsors

AstraZeneca
Bruker UK
Elsevier, Progress in NMR Spectroscopy
UK Research and Innovation – BBSRC, EPSRC and MRC
Wellcome Foundation



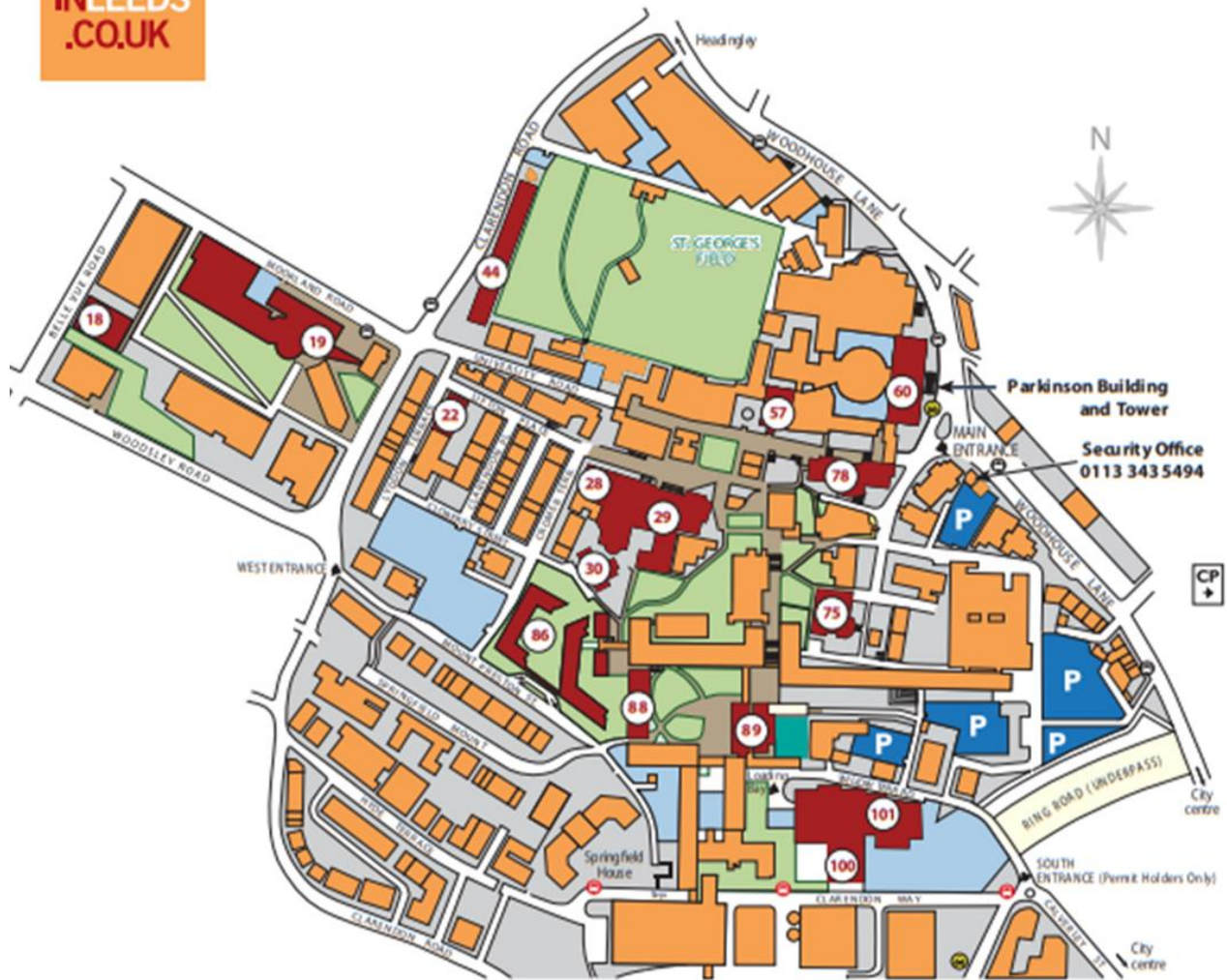
Gold Sponsors

Astex Pharmaceuticals
Goss Scientific Instruments
Rototec
Silantes
UCB Celltech



Venue Map

MEET
IN LEEDS
.CO.UK



Campus Map

Key

- 18. Western Lecture Theatre
- 19. Leeds University Business School (LUBS)
- 22. Elerslie Hall
- 28. University House
- 29. Refectory
- 30. Lyddon Hall
- 44. Henry Price Residence
- 57. Great Hall
- 60. Parkinson Building
- 75. School of Music
- 78. Michael Sadler Building
- 86. Charles Morris Hall (Dobree House, Storm Jameson Court, Whetton House)
- 88. Staff Centre
- 89. Roger Stevens Building
- 100. Conference Auditorium
- 101. Sports & Exhibition Centre/The Edge

Car parks

- University visitors' car parks (limited access)
- Other university car parks
- Public multi-storey car park

Other useful information

- CityBus Stop
- Taxi Rank
- Pedestrian Only Area
- Lawns
- Bus Stop

NB. Building numbers correspond to the University's official maps which can be found on campus

Joint NMR Discussion Group – British Biophysical Society Spring Meeting

Wednesday 10th and Thursday 11th April 2019

Conference Auditorium 2, University of Leeds, Woodhouse Lane, Leeds, LS2 9JT

Wednesday 10th April 2019

Registration and bag drop at Conference Auditorium 2, from 10:00

Poster/vendor exhibition set-up: 10.00 – 13:00

13:25 – Conference welcome and introduction

Scientific session 1: 13.25 – 15.30

13:30 – Sheena Radford, *University of Leeds, UK*

Seeing amyloid and its assembly mechanisms

14:20 – Józef Lewandowsky, *University of Warwick, UK*

Applications of fast magic angle spinning solid-state NMR to biomolecular complexes

14:55 – Jen Potts, *University of York, UK*

Repetitive but Interesting-Structural Analysis of Surface Proteins of Gram Positive Bacteria

Refreshments: 15.30 – 16.00

Scientific session 2, *dedicated to Progress in NMR Spectroscopy*: 16.00 – 17.45.

Chairperson: David Neuhaus, *MRC Laboratory of Molecular Biology*

16:00 – Michael Sattler, *Technische Universität München, Germany*

NMR and integrative structural biology to study conformational dynamics in biomolecular recognition

16:35 – Alvar Gossert, *ETH Zürich, Switzerland*

New NMR tools for drug discovery: from screening and validation to structure determination

17:10 – Anastasia Zhuraleva, *University of Leeds, UK*

Conformational and functional flexibility of Hsp70 molecular chaperones

Buffet/refreshments and poster session/vendor displays and Facility tours 17.45 – 20.30

Thursday 11th April 2019

Scientific session 3: 09.00 – 10.45

Chairperson: Dr Anastasia Zhravleva, University of Leeds

9:00 – Geerten Vuister, *University of Leicester, UK*

Title to be confirmed

9:35 – Christina Redfield, *University of Oxford, UK*

Title to be confirmed

10:10 – Ulrich Gunther, *University of Birmingham, UK*

Title to be confirmed

Coffee/Tea/Biscuits: 10.45 – 11.15

Scientific session 4: 11.15 – 12.50 (Inclusion of oral presentation of poster abstracts)

Chairperson: Dr Tharin Blumenschein, University of East Anglia

11:15 – Katherine Stott, *University of Cambridge, UK*

Higher order from high disorder: DNA condensation by linker histone tails

11:50 – 4 short presentations selected from poster abstracts

Buffet Lunch: 12:50 – 14.20, with vendor exhibits and poster sessions

Scientific session 5: 14.20 – 16.20

Chairperson: Prof Alex Breeze, University of Leeds

14:20 – Steve Matthews, *Imperial College, London, UK*

NMR probing of phosphatidic acid sensing by Apicomplexan parasites

14:55 – Gabi Heller, *University of Cambridge, UK*

Ensemble determination of disordered proteins from molecular dynamics and NMR

15:30 – Bob Griffin, *Massachusetts Institute of Technology, USA*

Atomic Resolution Structures of Amyloid Fibrils

Meeting close/concluding remarks/presentation of any prizes/gifts of recognition:

16.20 – 16.30

Refreshments and departures: 16.30
