



Researchers from across the world are invited to study the 3D structures and interactions of proteins, nucleic acids, carbohydrates, lipids and metabolites at the Henry Wellcome Building for NMR.

We offer a £10m national resource based in Birmingham, providing scientists with insights into the molecular basis of human health, cancer progression and infectious diseases.

The advantages of the NMR method include the ability to obtain information at atomic resolution using aqueous solutions, biological fluids and tissue extracts that resemble physiological conditions.

HWB-NMR is the UK's largest NMR facility, providing academic and industrial users with open access to seven NMR spectrometers operating at 500-900 MHz, six cryogenic probes, and high-throughput autosamplers.

News

The **Spring NMR-DG meeting** (http://www.nmr.org.uk/NMRDG_Spring_meeting_cover_agenda_2015.pdf) on "Diffusion NMR" takes place in the School of Chemistry, University of Birmingham on Tue 31 Mar 2015. Speakers include John Christodoulou, Iain Day, Carmine D'Agostino, Peter Griffiths & Gareth Morris.

Take advantage of *free access* to our recently upgraded 900 MHz NMR spectrometer and 600 MHz TXO cryoprobe for ¹³C direct detection (both Bruker systems)! Please email [Dr Sara Whittaker \(mailto:s.b.m.whittaker@bham.ac.uk\)](mailto:s.b.m.whittaker@bham.ac.uk).

The **HWB-NMR 10-year anniversary user meeting** took place on Fri 7 Nov 2014. Our thanks to the speakers for their enjoyable talks! Click [here \(/Documents/collegems/facilities/nmr/HWB-NMR-User-Meeting-programme-Nov2014.pdf\)](#) for the programme.

NMR Basic Training 2014 took place 3-5 Nov, with over 40 students from across the UK in attendance. Our thanks go to **Prof Mike Williamson, Dr Simon Skinner** and **Dr Marc Lenoir** for stimulating instruction. For more details, please visit our [website \(/facilities/nmr/NMR-Basic-Training-2014/index.aspx\)](#). Suggestions welcome for future Basic Training topics or format - feel free to email them to [Dr Sara Whittaker \(mailto:s.b.m.whittaker@bham.ac.uk\)](mailto:s.b.m.whittaker@bham.ac.uk).

Bruker 900 Training (session 2) took place Fri 9 May 2014 (instructors: **Dr Peter Giertyh & Dr Pete Simpson**). Hands-on B900 use encouraged for users wishing to access 900 MHz! To access the B900, please email [Dr Sara Whittaker \(mailto:s.b.m.whittaker@bham.ac.uk\)](mailto:s.b.m.whittaker@bham.ac.uk).

Prof Michael Overduin interviewed for the BBC News article: [Did Richard Nixon change the way people describe cancer? \(http://www.bbc.co.uk/news/magazine-24985184\)](http://www.bbc.co.uk/news/magazine-24985184)

The **Wellcome Trust** (<http://www.wellcome.ac.uk/>) has funded 5 years of free access to the 900 MHz spectrometer (incl. equipment upgrade) for users based in the UK and Brazil, China, South Africa and other emerging market countries from Dec 2012. Please email [Dr Sara Whittaker \(mailto:s.b.m.whittaker@bham.ac.uk\)](mailto:s.b.m.whittaker@bham.ac.uk) for access.

