

Staff members

HWB-NMR is managed by five staff members who work closely with the facility's users to ensure that its services are efficiently run and easily accessible.

Michael Overduin, Executive Director since 2003, is responsible for strategic planning and interfacing with the University administration and HWB•NMR advisors, partners and funders. Research focus: structural biology of signaling proteins and membrane interactions.

Ulrich Günther (</staff/profiles/cancer/gunther-ulrich.aspx>), Scientific Director since 2004, is responsible for advancing the NMR technologies and computational methods for areas including metabolomics, binding and kinetic analysis. Research focus: Metabolic profiling and protein interactions.

Christian Ludwig, Scientific Officer in NMR, joined in 2004 and is responsible for research involving advanced spectroscopic NMR methods for metabolic flux analysis, metabolomics, ligand screening, and for pulse programming. He also manages the NMR instruments used for metabolic analysis and is the first point of contact for users with an interest in metabolomics-focussed projects. Research focus: Metabolic flux analysis, metabolomics, and software development for ligand discovery by NMR data analysis.

Sara Whittaker, Operations Manager since 2006, oversees the running of the facility and is the first point of contact for users with an interest in protein NMR, providing support and training for NMR experiments on the ultrahigh field systems and for protein analysis. Research focus: Protein folding, dynamics and structure determination.

Sue Rhodes, NMR Technician since 2004, is responsible for the facility's maintenance, servicing, accounting, and is assisting with user relations. Research focus: Polymer studies and small molecule screening.

Many local [postdocs and students](/facilities/nmr/about/postdocs.aspx) provide additional expertise. The NMR staff are members of the School of Cancer Sciences and the Cancer Research UK Birmingham Cancer Centre.

