

A postdoctoral research associate position is available in the Durham Solid-State NMR group from early 2010.

This 3 year position is the key staff appointment in a significant collaborative project to determine the performance limits of homo- and hetero-nuclear decoupling in organic solid-state NMR, with the goal of understanding and developing methods to maximise performance in state-of-the-art experiments involving high magnetic fields and ultra fast magic-angle spinning.

The work in Durham will focus on the acquisition of reference data sets and the development of numerical simulations. This work will be closely coordinated with experimental work based at Warwick (Dr S. P. Brown) and theoretical work at ETH Zurich (Dr M. Ernst), but will also be integrated with a wider research effort involving groups across Europe (Emsley, Kentgens), Canada (Goward) and Japan (Takeda), as well as the pharmaceutical companies, AstraZeneca and GlaxoSmithKline, plus support from instrument manufacturers (Bruker, Varian).

The challenging objectives of the project mean that applicants must have a strong background in solid-state NMR theory and practice. Excellent IT skills are also essential, not only for the development of simulation / analysis software, but also for the maintenance of web-based collaboration tools to co-ordinate information exchange between the project partners.

The high profile of the project, and the contacts with other internationally leading research groups make this a good position for applicants to develop their prior experience and to demonstrate their abilities to a wider audience.

For further information on the Durham group, go to: www.dur.ac.uk/solids.nmr

For application information, go to:

https://jobs.dur.ac.uk/jobdtls.asp?Session_in=&Uid=&vref=3515

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