



**Postdoctoral Research Fellow/Associate  
NMR Structural Studies of Protein-Drug Interactions  
Leicester Institute of Structural and Chemical Biology**

Annual salary £33,518 to £38,833 grade 7, or £42,418 to £47,722 grade 8

Available immediately for a period of 1 year

A one year postdoctoral position is available for a talented protein NMR spectroscopist with a strong interest in protein structural studies and their application to drug discovery. The postdoctoral scientist will work in Prof. Mark Carr's group on a successful collaborative research programme fully funded by the pharmaceutical company UCB Biopharma. The project will involve the determination of solution structures for proteins targeted by UCB Biopharma drug discovery programmes and detailed characterisation of their interactions with candidate drugs, which may be small molecules or therapeutic antibodies. The proposed work will involve close interactions with experienced research scientists at UCB Biopharma and will be supported by their extensive protein expression, purification and biophysical facilities. The Leicester Institute of Structural and Chemical Biology is superbly equipped for all aspects of NMR-based structural biology, including 500, 600 (x2) and 800 MHz NMR spectrometers with cryoprobes, and excellent computer facilities.

The successful candidate will have proven experience in many aspects of NMR-based structural biology of proteins and protein-ligand complexes, and have a strong interest in knowledge-based drug discovery. Previous experience in protein expression and purification is desirable but not essential. The ability and willingness to travel to meetings with collaborators and to use off-campus research facilities is essential. Good communication and presentation skills are also a pre-requisite.

The University of Leicester is a world-leading institution, marked by a belief in the synergy of research and teaching. With over 23,000 students, including 4,300 from overseas, and 3,800 staff, including over 1,200 active researchers, we believe a university should empower, inspire and innovate. Under the leadership of our new President and Vice-Chancellor, Professor Paul Boyle, the University is entering an exciting new phase of development with an ambitious and transformative agenda for 2020 and beyond.

Informal enquiries are very welcome and should be made to Prof. Mark Carr, Tel: +44 (0)116 229 7075, Email: [mdc12@le.ac.uk](mailto:mdc12@le.ac.uk), Dr Christine Prosser, E.mail [Christine.Prosser@ucb.com](mailto:Christine.Prosser@ucb.com), or Dr Lorna Waters, Tel: +44 (0)116 229 7051, Email: [lw83@le.ac.uk](mailto:lw83@le.ac.uk)

---