UNIVERSITY OF LEICESTER

Job Title: Software Developer CCPN
Grade: 7
Salary: £34,189 to £39,609 per annum
Department: Molecular and Cell Biology
Hours/Contract: Full-time fixed term contract until 30 September 2019, with possible extension
Reference: 877

Role Purpose

To lead and develop the implementation of the version-3 CCPN software suite, as outlined in the MRC partnership grant to Prof. Vuister.

Main Duties and Responsibilities	% Time

The post holder will be expected to take a leading role in the implementation and development of the CCPN software, in line with reaching the goals of the project, developing his/her specific expertise in relevant aspects related to software development and NMR and providing guidance, instruction and advice to the CCPN user community. Specifically, the Research Fellow will be expected to:
 	
   o carry responsibility for the overall results and specific sub-sections of the project
 	
   o actively engage with the NMR community, the partners in the project and industrial stakeholders regarding the products of the project
 	
   o actively test and review the resulting products of the project and disseminate the findings to the NMR community
 	
   o engage with and be responsive to the inquires and questions of the CCPN user community
	65

• To contribute to the overall work of the team.	5
• Writing up research findings for dissemination amongst the research team and broader international NMR community	5
• Analysis of other software programs in computational structural biology and extrapolation of their relevance for CCPN	5
• To actively participate in (international) activities promoting data exchange and data remediation, supporting Prof. Vuister in promoting the international community driven NEF effort.	5
• To assist in the development of the CCPN sustainability plan and to when needed provide information relevant to the submission of the next CCPN renewal grant.	5
• To assist with the training and all outreach activities of CCPN.	5
• To train new members of the research group of Prof. Vuister, including undergraduate students and work experience trainees.	5

Internal and External Relationships

- Academic group leader regarding progress of the project, ~1-2 times per week.

- Other academics and postdocs connected to the project to liaise on a daily basis regarding progress, priorities, exchange of information, share and discuss own and others developments.

- Other members of the department for critical discussion of the project and exchange of new ideas and approaches that might benefit the project.

- Partners and collaborators on the project, regarding progress, priorities, exchange of information, share and discuss own and team's results.

Planning and Organising

- Plan and organise own activities and to contribute to plans of research students/PDRAs

- Plan and co-organise the CCPN executive meetings and annual CCPN conference

- To play a role in designing and implementing the longer (5-year) strategy of CCPN

Qualifications, Knowledge and Experience

Essential

- PhD/MSc in relevant subject*

- Extensive experience in NMR spectroscopy and NMR structure determination

      OR

- Extensive Experience in a relevant area of software development*

Desirable

- Experience in scientific software development*

- Experience in the dissemination of research results for publication in leading journals and presentation at international conferences

- Knowledge of computational structural biology techniques*

Skills, Abilities and Competencies

Essential

- Excellent programming skills and computer experience*

- Excellent written and oral communication skills

- Ability to work independently and as part of a team

- Ability to plan and organise research directions

- Excellent time management skills

Criteria to be used in shortlisting candidates for interview

VITAL

The University encourages all staff to live our VITAL values which are:
Valuing People, Innovators, Together, Accountable, Leaders.

Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.