Job Title: Research Assistant
Grade: 6
Salary: £32,296 to £36,924 per annum, pro rata if part-time
Department: Molecular and Cell Biology
Hours/Contract: Full-time, or part-time (minimum 0.8FTE, 30 hours per week), fixed term contract until 31 March 2026
Job Family: Teaching and Research
Reference: 11363

Role Purpose

Working as part of the CCPN research group, using programming and code development skills, to assist in the development and documentation of the CcpNmr software package.

Main Duties and Responsibilities

Research

- To develop code for the CcpNmr software package for Biomolecular NMR, in particular AnalysisMetabolomics.
- To document code of the CcpNmr software package.
- To support a research team in the acquisition, evaluation and /or interpretation of data and other specialised information.
- To summarise findings, record, and disseminate where appropriate to members of the research group
- To contribute to research outputs such as co-authored journal articles/technical papers/book chapters relating to the work
- To assist in supporting research students in the use of specific methods or approaches under the direction of their line manager.

Professional Development:

- Duties and opportunities to engage in work that support your own professional development.

Impact and Knowledge Exchange:

- To participate in outreach and training related to the CcpNmr software package.
- Participate in workshops and conferences to support the dissemination of research findings.

Leadership and Citizenship:

- Contribute to the overall success of the research programme

Internal and External Relationships

- To work with the CCPN team, in particular under guidance of Drs Brooksbank and Mureddu (daily), exchanging information, sharing and discussing relevant developments.
- To report on progress to the full team (weekly).
- To interact with the CcpNmr user base, in particular regarding questions about the software as posed on the CCPN forum (variable).

Planning and Organising

With guidance from the Principal Investigator, or equivalent, plan own work and prioritise research and project activities on a regular basis, including, where appropriate, co-ordinating resources and maintenance of equipment.

- To plan and independently undertake prior defined and agreed tasks regarding the development of the CcpNmr software package.
- To report results and plan subsequent steps.

Qualifications, Knowledge and Experience

Essential

- A Masters's degree (or higher) in a relevant discipline, such as Sciences, Maths, Computer Science* (or near completion)

- Prior knowledge of code development as evident from formal training and/or active participation in software development project(s)*

Desirable

- Knowledge of NMR spectroscopy.
- Knowledge of the CcpnNmr programmes/code-base.

Skills, Abilities and Competencies

Essential

- Skills in Python programming (*), code development using the PyCharm IDE, revision control system (GIT)

- Ability to work independently and as part of a team*

- Ability to plan, organise and manage own work*

- Ability to demonstrate behaviours that are in accordance with the University values of inclusive, inspiring and impactful.
- Prior experience in teaching, training and/or outreach activities.

Criteria to be used in shortlisting candidates for interview

Reason for Fixed Term Contract
The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.
Criminal Declaration
If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.
Supporting University Activities
As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.
University Values
Inclusive - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger. **Inspiring** - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas. **Impactful** - As Citizens of Change we will generate new ideas which deliver impact and empower our community
Equity and Diversity
We believe that equity, 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 equity 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 equity, diversity and inclusion.