



**Job Title:** Research Software Support Officer  
**Grade:** 6  
**Salary:** £28,331 to 32,817 per annum  
**Department:** Genetics and Genome Biology  
**Hours/Contract:** Full-time fixed term contract until 31 August 2022  
**Reference:** 2022

## Role Purpose

You will work on internationally collaborative projects in the University’s “Health Data research UK (HDR-UK)” facility, within the Brookes research team. You will also be expected to assist with shaping the technological and research activities of the group, in line with agreed general goals, by working as part of inter-group teams. This will include contributing ideas and support to other members of the Brookes team and the wider HDR-UK members.

## Main Duties and Responsibilities

Support the research team through the production of code in various coding languages, and detailed code documentation. Work in line with project milestones and towards major goals of the research project, and prioritise tasks within the time framework of the project

Assist with the devising, implementing and build of modular informatics solutions for sensitive health data management, patient data discovery, big data transformation, and data visualisation, via web/programmatic APIs and researcher-focused user interfaces.

Develop an understanding of, and using a range of database technologies and pseudonymisation/anonymisation approaches to exploit linked health and research data sets in federated settings. In terms of continued professional development, seek out and undertake additional training as appropriate.

Work in line with project milestones and towards major goals of the research project, and prioritise tasks within the time framework of the project.

Assist with providing general informatics training and support to students and junior staff, and other HDR-UK staff seeking to extract/process data and establish modern bioinformatics tools/processes.

Assist with drafting information towards writing up project progress for dissemination amongst the research team and to the broader international community, via project reports, scientific publications, and presentation and participation in UK and international workshops and conferences.

## Internal and External Relationships

Supervision and advice will be provided by senior members of the Brookes bioinformatics and data science group.

Interactions with other bio-medical researchers, health scientists, maths and computer scientists in the University of Leicester, in particular those involved in HDR-UK activities and the Leicester Biomedical Research Centre.

Providing information and ideas to collaborators at various academic and healthcare sites across the UK, researchers and rare disease networks across the EU, and standards bodies across the globe.

## Planning and Organising





Plan and prioritise own workload considering current, short term and long term responsibilities and achievability of project objectives.

Work under supervision and semi-independently on different projects, whilst maintaining professional levels of support.

Prioritise and manage their own workload, within agreed work schedules set by Principal Investigator or jointly agreed within teams.

### Qualifications, Knowledge and Experience

#### Essential

- Computer Science or relevant biology/health related scientific degree\*
- In possession of or working towards an MSc in Bioinformatics, Computer Science or similar OR have equivalent experience\*
- Demonstration of contributions to informatics/IT projects (links to project source code is encouraged)\*
- Knowledge of Unix/Linux-based operating systems and their administration\*
- Software development experience\*
- Knowledge of SQL and no-SQL based databased design and administration

#### Desirable

- Good background in biomedical research or data integration and management
- Experience in biology/health data ontologies\*
- Experience in data mining, genomics or health data research projects
- Experience of web application development technologies

### Skills, Abilities and Competencies

#### Essential

- Excellent interpersonal skills (including written and verbal communication)

#### Desirable

- Effective planning and organisational skills

***\*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.

## 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.

