

**Job Title:** Research Assistant (Informatician)  
**Grade:** 6  
**Salary:** £28,331 to £32,817 per annum pro rata  
**Department:** Genetics and Genome Biology  
**Hours/Contract:** Part-time (26.25 hours per week, 0.7 FTE), fixed-term contract for 6 months  
**Reference:** 2021

## Role Purpose

The main interest of the group is to study the evolution of developmental gene regulatory networks using a combination of developmental biology and single-cell genomics.

## Resources Managed

Data development, analysis and maintenance of IT related resources

### Main Duties and Responsibilities

Support the research team through the production of code in various coding languages, and detailed code documentation.

Plan, prioritise and carry out the semi-independent design of novel software tools, standards and graphical user interfaces, for data collection, curation, databasing, omics scale data mining and querying.

Investigate existing tools, standards and graphical user interfaces, and report back to the group on relevant competing or synergistic alternatives.

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

Undertake QC work on data and process data.

Identify and understand work requirements prioritising tasks and responsibilities within the time frame agreed with the PIs.

Provide advice and support to staff and students within own area of expertise.

Prepare data for publication and with supervision provide paper first drafts, with a view to contributing at national and international conferences and scientific meetings as appropriate.

### Internal and External Relationships

Interacting with collaborators in Oxford, UK

Academic group leader meetings regarding the progress of the project, weekly.

Academics, postdocs, PhD students, and technicians within the laboratory to liaise on a daily basis regarding the availability of equipment and materials, exchange of information.

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

### Planning and Organising

The post holder will be encouraged under supervision, to identify and develop related lines of research over the duration of the project by:



- Plan research activity as outlined in the project proposal and achieve project milestones in a timely fashion
- Working in line with project milestones and towards major goals of the research project
- Prioritising tasks within the time framework of the project
- Adapting daily and weekly plans to accommodate new developments
- Assistance in preparing progress and project reports for aspects of tasks undertaken

## Qualifications, Knowledge and Experience

### Essential

- Technical or scientific education to (or studying towards) MSc level in computer science and/or bioinformatics \*
- Prior related experience in developing advanced bioinformatics software \*
- Proven competence in at least R and python\*
- Evidence of proficiency in understanding and writing technical documents in the domain of work (reports, documentation, publications. presentations, abstracts etc)\*

### Desirable

- Evidence of a broader general interest and background knowledge in biomedicine and genetics
- Expertise in Machine Learning
- Working knowledge of computational approaches to handling large scale datasets ('Big Data')\*

## Skills, Abilities and Competencies

### Essential

- Excellent time management and organisational skills and ability to prioritise \*
- Excellent written and verbal communication skills in English \*
- Ability to work independently and also as part of a team

### ***\*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.

