



## Job Description

Key Details	
Job title	Science Technology Graduate
Research Institute	MRC Laboratory of Medical Sciences
Campus   Location	Hammersmith Hospital Campus   LMS Building
Band   Salary	5a   £36,296 inclusive of London Allowances
Contract type   Contract length	Fixed Term   2 years
Work pattern	Full time – on-site only
Responsible to	Heads of the Science Technology Graduate Programme: Dr Alex Sardini & Dr Laurence Game.

Graduate Programme
<p><b>Overview</b></p> <p>The MRC Laboratory of Medical Sciences (LMS) recently established a graduate programme designed to train and develop fresh science graduates into skilled laboratory technicians. The programme offers aspiring scientists the opportunity to work within our core research facilities to develop their technical expertise. In addition, the programme will support the professional development of successful applicants by providing a variety of growth opportunities, including conventions and workshops.</p> <p>This graduate position will be within the <b>Bioinformatics Facility</b> and would be best suited to those interested in pursuing careers within Bioinformatics, medical informatics, or data science. Bioinformatics is a 'dry-lab' facility; thus, applicants are expected to have an interest in, but not necessarily experience with 'wet-lab' research.</p> <p><b>Description of the Post</b></p> <ul style="list-style-type: none"><li>In Year 1, the post holder will work to learn the methodologies and systems within the <b>Bioinformatics Facility</b>, and how the facility is managed. As the year progresses, the post holder will be given the opportunity to work with and in other aligned research facilities to expand their knowledge and practical experience.</li><li>In Year 2, the post holder will work on an independent research project within the facility to further develop their technical skills, as well as interacting across other facilities to support LMS science outputs. The post holder will be involved in developing methods/protocols and in implementing methods or efficiency improvements that improve the Institute's environmental sustainability.</li></ul> <p><b>Working relationships</b></p> <p>The post holder will report to the Heads of the Graduate Programme and to the Head of the <b>Bioinformatics Facility</b>.</p> <p><b>Main duties</b></p> <ul style="list-style-type: none"><li>To conduct data analyses as well as research-related programming tasks relevant to the work of the Bioinformatics Facility.</li><li>To contribute to the work of the facility and outputs of LMS research groups.</li><li>To pilot relevant techniques or adaptations that support environmental sustainability.</li></ul>

Equality & Diversity
<p>The MRC values the diverse skills and experience of its employees and is committed to achieving equality of treatment for all. Our objectives are that all individuals shall have equal opportunities for employment and advancement on the basis of their skills, aptitudes and abilities. The MRC is committed to the engagement and retention of the best possible talent and to creating an environment that encourages excellence in scientific research through good equality practices, diversity, leadership and management.</p>

Corporate/Local Duties & Requirements
<p>The job holder must at all times perform their duties in accordance with the MRC's:</p> <ul style="list-style-type: none"><li>Code of Conduct</li><li>Equality and Diversity policy</li><li>Health and Safety policy</li><li>Data Protection and Security policy</li></ul>



Job descriptions should be reviewed on a regular basis and at the annual appraisal. Any changes should be made and agreed between the post holder and their manager.

The above lists are not exhaustive and the job holder is required to undertake such duties as may reasonably be requested within the scope of the post. All employees are required to act professionally, co-operatively and flexibly in line with the requirements of the post and the MRC.

## Person Specification

<b>Requirements</b> Candidates/Post holders will be expected to demonstrate the following:	<b>Criterion Importance</b> Essential (E)/ Desirable (D)	<b>Assessment method</b> Application (A)/ Interview (I)
<b>Education</b>		
BSc in a data-oriented science area (2:1 or above), awarded in 2022 or later, or set to be awarded before August 2025	E	A
<b>Experience, Knowledge and Interests:</b>		
Experience of, or a strong desire to, work in scientific research environment	E	A
Strong interest in medical, health, and experimental research	E	A/I
Familiarity with one or more common programming languages (R, Python)	E	I
Familiarity with command-line software tools and languages (Bash)	E	I
Knowledge of the biology and genetics relating to common data types (DNA-seq, RNA-seq)	D	I
Experience performing bioinformatics tasks and analyses	D	A/I
<b>Skills &amp; Abilities:</b>		
Ability to train and develop programming skills	E	A/I
Ability to develop skills in a high-performance computing environment	E	A/I
Ability to grasp new biological concepts quickly	E	A/I
Ability to problem-solve and troubleshoot code and methods	E	A/I
Ability to be organised and work effectively to meet deadlines	E	A/I
Ability to train and support others	D	A/I
<b>Qualities:</b>		
Highly motivated and highly committed	E	A
Enthusiastic and keen to learn	E	A
Excellent verbal and written communication skills	E	A/I
Willing to work in a team and be cooperative	E	A/I

### Other Details:

Applications are welcome from candidates with BSc degrees in: biology, bioinformatics, biomathematics, biomedical science, computational biology, computer science, data science, health/medical informatics, software engineering and statistics. This is not an exhaustive list; applications from candidates with degrees in related disciplines will also be considered, provided their BSc degree had a strong focus on data.

### Privacy Statement

As part of the application process, submitted applications will be shared with relevant members of staff at Imperial College London for the purposes of assessment and decision-making. All personal data will be processed in accordance with applicable data protection legislation and UKRI's privacy policies.