UNIVERSITY OF WARWICK

Job Description

Job title	Research Assistant
Department	Warwick Medical School, Biomedical Sciences Directorate
Grade	FA5

Job purpose (a brief summary of the role)	A Wellcome-funded Research Assistant post to provide technical support in an enthusiastic, well-established lab analysing the fundamental mechanisms of microtubule organisation and intracellular transport.
Duties and responsibilities	Your main role is to contribute to a basic science research project into the function of molecular motors and microtubule array organisation and to the smooth working of the lab. **Research and Scholarship** 1. Conduct individual and collaborative research projects. 2. Meticulous record keeping, accurate conduct and reporting of experimental setup and data. Adherence to lab standards for archiving, analysis and reporting. 3. Contribute to the preparation of papers for publication. 4. Continually update own knowledge and understanding in field or specialism. **Teaching and Learning Support** 1. Opportunities to contribute to the teaching and learning programmes in the department. 2. Assist in the supervision of student projects and the development of student research skills. **Administration and Other Activities** 1. May be required to attend departmental meetings and to participate (where necessary) in other committees and working groups within the department, the faculty and the University. 2. Ensure compliance with health and safety in all aspects of work. 3. Work within budget constraints. The duties and responsibilities outlined are not intended to be an exhaustive list but provide guidance on the main aspects of the job. The post-holder will be required to be flexible in their duties.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	First degree 2:1 or above in a relevant subject area or equivalent laboratory-based training.	A
E2	Substantial experience in molecular biology for protein engineering.	A
E3	Substantial experience in protein purification and characterisation for protein engineering.	A
E4	Substantial experience in laboratory management.	A
E5	Excellent presentation skills.	C
E6	Excellent written and verbal communication skills	A
E7	Excellent record keeping skills.	A
E8	Excellent teamworking skills	A
E9	Computer literacy.	A

Desirable Criterion No.	Desirable Criterion Description	*Measured by*
D1	Experience with cytoskeletal proteins.	A
D2	Experience in quantitative image analysis.	A
D3	Proficient in programming (Python, Matlab or Java).	A