



Candidate Information

Position:	Technician (Part-Time)
School/Department:	The Wellcome-Wolfson Institute for Experimental Medicine
Reference:	20/108083
Closing Date:	Wednesday 5 February 2020
Salary:	£21,236 - £23,754 per annum (pro rata)
Anticipated Interview Date:	Wednesday 19 February 2020
Duration:	This post is part time (0.4FTE, 14.8 hours per week) and is available until 31 December 2022.

JOB PURPOSE:

To be a member of the Ocular immunology research team investigating the causes of retinal degenerative and angiogenic diseases. The post-holder will provide specific technical support services to the research teams so that experiments and researches are completed in an efficient way.

MAJOR DUTIES:

1. Maintenance of in vivo models and transgenic animal lines: genotyping, animal husbandry, delivery of therapeutic agents to experimental animals.
2. Ensure comprehensive maintenance of animal lines: in conjunction with other staff and students within the group, use the ATunes system and work effectively with BSU staff.
3. Prepare, maintain and update relevant laboratory Standard Operating Procedures (SOPs).
4. Work independently in preparing reagents and executing experimental procedures using relevant SOPs.
5. Prepare and maintain relevant laboratory protocols, sample storage records and experimental results in a timely fashions.
6. When required, contribute to the development and validation of new or improved methods or techniques based on technical knowledge and experience.
7. Maintain lab equipment and facilities ensuring tidiness of general workshop/laboratory. When required, repair and test equipment.
8. Ensure the general safety and security of laboratory/workshop areas.
9. Monitor levels of stocks/storages of research materials.
10. Advise students and staff in the design and development of basic apparatus for research and teaching purposes, ensure that all staff and students comply with Health and Safety regulations.
11. Contribute to public engagement activities
12. Set up equipment for teaching and research experiments following guidelines and/or protocols.
13. Maintain accurate records and draft reports on relevant work.
14. Comply with Health and Safety procedures that may affect self and others.
15. Carry out any other duties which are appropriate to the post as may be reasonably requested by Supervisors.

Planning and Organising:

1. Carry out a range of tasks, working mainly within established procedures, but with minimal supervision.
2. Plan own work schedule, responding to new requests, adjusting priorities as needed.
3. Ensure that resources are available so that jobs can proceed as directed.
4. Coordinate and liaise with other members of the research groups and collaborative research groups regarding work progress and stock management.

Resource Management Responsibilities:

1. Take delegated responsibility for the maintenance of animal model lines and repair of scientific equipment
2. Have responsibility for the security and maintenance of equipment in the laboratory /workshop/department.

3. Support student learning through the development and demonstration of standard equipment and techniques.
4. May provide standard guidance and advice to junior colleagues/students through on the job training.

Internal and External Relationships:

1. Daily contact with Supervisor, work colleagues, University staff and students.
2. Some liaison with external consultants and collaborators.

ESSENTIAL CRITERIA:

1. Academic and/or vocational qualifications ie OND/ONC and/or NVQ level3 in relevant subject (or equivalent).
2. At least two years relevant work experience to include experience in at least three of the following techniques:
 1. Animal handling
 2. Genotyping
 3. apply therapeutic agents (e.g. intraperitoneal, intratracheal, or sub-cutaneous delivery)
 4. Real time PCR
 5. ELISA
 6. Western blotting
 7. Immunohistochemistry
 8. Cell culture.
3. Technical knowledge in own specific or technical specialism.
4. Working knowledge of relevant systems, equipment and processes.
5. Good understanding of relevant regulations and procedures including Health and Safety requirements.
6. Must be able to fully understand and construct complex protocol.
7. Good IT skills.
8. Good communication and interpersonal skills.
9. Ability to develop and demonstrate standard equipment and techniques.
10. Competent in communicating stipulated research skills essential to the post.
11. Problem solving skills.
12. Ability to work within established procedures but with minimal supervision.
13. Ability to carry out practical laboratory tasks to a consistently high standard.
14. Ability to plan own work schedule responding to new pressures and adjusting priorities.
15. Problem solving skills.
16. Ability to provide standard guidance and advice to junior colleagues/students.
17. Must be prepared to work outside normal working hours as necessary.
18. Must be prepared to work with experimental animals and pass an animal licence training course.

DESIRABLE CRITERIA:

1. Have or about to obtain a Degree (or higher) in biomedical sciences (or closely related area).
2. Practical experience with:
 - Animal handling experience
 - Genotyping
 - Basic molecular biology techniques
 - Confocal microscopy
 - Immunohistochemistry
 - Image analysis
 - Cryosection or microtome section.
3. Home Office Personal Licence.
4. Knowledge of relevant database and presentation software.
5. Understanding of Good Laboratory Practice.
6. Experience in supervision and/or training of students/inexperienced colleagues