



Candidate Information

Position:	Technician (Grade 4 x2 posts)
School/Department:	Wellcome-Wolfson Inst for Experimental Medicine
Reference:	23/111072
Closing Date:	Monday 31 July 2023
Salary:	£24,715 - £27,396 per annum
Anticipated Interview Date:	Thursday 17 August 2023
Duration:	Fixed term x2 - available for 12 and 18 months

JOB PURPOSE:

The postholders will be based in the Vaccine Immunology Group and work with Dr Beckie Ingram and Prof Miguel Valvano. They will be carrying out in vitro protein production and purification and in vivo protection studies.

MAJOR DUTIES:

1. Maintenance of in vivo models and transgenic animal lines: animal husbandry, in vivo mouse delivery of therapeutic agents and infectious agents (i.p, i.n, s.c.).
2. Ensure comprehensive maintenance of animal lines: in conjunction with other staff and students in research group. Maintain animal records with Attunes and work effectively with BSU staff to ensure animal welfare.
3. Undertake experimental protocols, either independently or as part of a team, to ensure delivery of experimental data in a timely and rigorous manner. Where possible, these should be done according to existing Standard Operating procedures and the Good Laboratory Practice-like standards.
4. Prepare and maintain adequate laboratory records of methods, sample details and results in a timely fashion within specific studies.
5. Undertake development/training courses where necessary in order to keep knowledge and skills up to date and relevant for subject specialism. Apply working knowledge of theory and practice, sharing this knowledge with others as appropriate.
6. Provide training to other members of the group in the area of transgenic mouse husbandry and delivery of therapeutic agents and infectious agents.
7. Where necessary, prepare and/or update Standard Operating Procedures for protocols related to the research in the group.
8. Prepare and maintain adequate laboratory stocks and supplies.
9. Carry out any other duties which are appropriate to the post as may be reasonably requested by Supervisor.
10. Comply with Health and Safety procedures affecting self and others.

ESSENTIAL CRITERIA:

1. Academic and/or vocational qualifications (e.g NVQ 3, 2 A Levels, ONC/OND City and Guilds level 3 or equivalents in a relevant subject).
2. 2 years' relevant work experience to include real time PCR, ELISA, Western blotting, immunohistochemistry, cell culture.
3. Specialist skills and knowledge relevant to the job.
4. Good IT skills.
5. Well-developed understanding of relevant regulations and procedures including Health and Safety requirements.
6. Good communication and interpersonal skills.
7. Ability to develop proficiency in and demonstrate standard equipment and techniques.
8. Ability to prioritise own work within a general plan to meet deadlines.
9. Ability to carry out practical laboratory tasks to a consistently high standard.
10. Ability to keep accurate records and provide reports on project progress.
11. Ability to train junior staff and allocate work.
12. Analytical and problem solving skills.
13. Due to the nature of the projects, flexibility of working hours will be required.

DESIRABLE CRITERIA:

1. Degree level qualification or equivalent in a relevant subject.
2. Home Office modules 1-3.
3. Experience in tissue culture, protein purification.
4. Experience of in vivo mouse model.
5. Knowledge of relevant database and presentation software.
6. Understanding of Good Laboratory Practice.