

THE UNIVERSITY OF MANCHESTER**PARTICULARS OF APPOINTMENT****FACULTY OF BIOLOGY, MEDICINE & HEALTH****FACULTY OFFICE BIOLOGY, MEDICINE & HEALTH****RESEARCH TECHNICIAN****VACANCY REF: BMH-032087**

Salary:	Grade 4 £29,588 to £32,080 per annum according to relevant experience
Hours:	1 FTE
Duration:	Fixed term for 24 months
Location:	Oxford Road, Manchester

Enquiries about the vacancy, shortlisting and interviews:

Name: Matt Hepworth

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BACKGROUND

The Hepworth laboratory is based within the Lydia Becker Institute in the Faculty of Biology Medicine & Health at The University of Manchester. The lab studies the role of the immune system in mucosal barrier tissues, such as the intestinal tract and airways, with a focus on tissue-resident immune cells such as Innate Lymphoid Cells (ILC).

The lab is based within a collaborative and collegial grouping of immunology research groups. The lab utilizes transgenic animal models to investigate immune mechanisms together with state-of-the-art facilities, including imaging, genomics, and flow cytometry.

Overall Purpose of the Job

This position is to provide technical and experimental support to the PI and research team. Activities include supporting transgenic mouse colony management, lab ordering, supporting lab members with experimental work including tissue isolation and processing, running standard immunological assays, and help training undergraduate and masters students. The successful candidate will also assist the lab in ensuring safe working practices and health and safety compliance within the laboratories.

The role may be suited for either a candidate looking to get research experience prior to undertaking a PhD or other role, or for an existing technician. The successful candidate will be trained in new techniques used

within the group and the position has scope to develop independent lines of research to build skills while performing core duties.

Key Responsibilities, Accountabilities or Duties

The range of duties will include:

- Carry out and assist staff and students with standard experimental protocols (e.g. tissue harvesting and processing, ELISA, RT-PCR etc).
- Assist PI and investigators in mouse colony maintenance.
- Undertake ordering of consumables for the lab team.
- Assist PI and lab members in ensuring compliance with relevant Health and Safety regulation, Data Protection Act and University policy legislation and regulations, eg. Human tissue Act, Equality & Diversity, etc.
- Assist in the smooth running of the laboratories including general housekeeping duties.
- Collate and store accurate records using paper and computer-based systems and the preparation of data for inclusion in presentations and publications.
- Contribute to the group's progression by providing feedback and input to experimental design and development.
- Carrying out risk assessments for the preparation and use of reagents, chemicals, equipment and procedures by self and others in your research group.
- Liaise with research colleagues and support staff on routine matters.
- Actively participate as a member of a research team.
- Attend and contribute to relevant meetings.
- Plan own day-to-day activity within the framework of the agreed programme.
- Analyse and interpret the results of own research and generate original ideas based on outcomes

PERSON SPECIFICATION

Essential Knowledge, Skills, Experience and Qualifications:

- Degree or equivalent in Biomedical Sciences, or related subject
- Knowledge in immunology, including use of mouse models
- Experience in common immunological research methods and techniques, such as flow cytometry, qPCR, cell culture, histology, ELISA.
- Knowledge of relevant Health and Safety regulation, the Data Protection Act, Standard Operating Procedures and risk assessments including COSHH risk assessments.
- Competent computer skills
- Ability to work in a team and independently.
- Ability to meet deadlines
- Ability to communicate effectively and politely with staff and students.
- Ability to clearly present information verbally, electronically and on paper.
- Ability to follow instructions with minimal supervision.
- Ability to work to a high standard with good reproducibility of results
- Willingness to undertake any necessary training.

Desirable Knowledge, Skills, Experience and Qualifications:

- Masters Degree or equivalent in a relevant Biomedical Science, or related subject.
- Home Office personal license
- Experience of working with basic software packages.