

Candidate Information

Position:	Research Fellow
School/Department:	Wellcome-Wolfson Inst for Experimental Medicine
Reference:	22/109830
Closing Date:	Monday 13 June 2022
Salary:	£34,304 per annum
Anticipated Interview Date:	Thursday 30 June 2022
Duration:	36 months or until 31 January 2026, whichever is soonest

JOB PURPOSE:

To develop and manage a research project seeking to characterise antigen uptake and trafficking events in B cells, which lead to efficient antigen presentation and antibody responses. The post holder will be an active member of a team led by Dr Dessi Malinova. They will have the opportunity to project manage, disseminate work, network, supervise and mentor. They will have access to extensive career development and outreach opportunities. This is an MRC-funded research project suited to a highly ambitious individual. The post is available for 36 months or until 31 January 2026, whichever is soonest.

MAJOR DUTIES:

1. Develop and plan an area of personal research and expertise, and/or undertake research under supervision within a research programme aimed at uncovering fundamental B cell biology. This includes in vitro and in vivo models, combined with state-of-the-art imaging, flow cytometry and molecular biology.
2. Design, develop and refine experimental models to obtain reliable and reproducible data.
3. Carry out analyses and interpretations of experimental data.
4. Maintain up-to-date knowledge of the field.
5. Develop, and implement with support, an ambitious personal career development plan.
6. Maintain clear and detailed records and ensure adherence to local data storage policy.
7. Present regular progress reports on research to members of the research group, other groups within the Institute, or to external national and international audiences to disseminate and publicise research findings.
8. Prepare, in consultation with supervisor, material for publication in national and international journals.
9. Assist grant holder in the preparation of funding proposals and progress reports to external bodies.
10. Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget. These might include organisation of group meetings; documentation, financial control, risk assessment of research activities; administrative tasks associated with the day-to-day running of the group.
11. Carry out occasional undergraduate and postgraduate training and supervision, within the post holder's area of expertise and under the direct guidance of a member of academic staff.
12. Promote a collaborative, positive research culture in all aspects of day-to-day research group activity.
13. Participate in local training sessions, journal clubs and seminar series.
14. Participate in outreach activities and research communication as appropriate.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a relevant PhD in Immunology, Cell Biology or closely related area.
2. At least 3 years recent research experience in cell biology, immunology or closely related area.

3. Recent hands-on experience, including data analysis where applicable, in at least 3 of the following techniques:
 - o Flow cytometry.
 - o Tissue culture.
 - o Lentiviral preparation and use.
 - o Western blot.
 - o Confocal or TIRF microscopy.
 - o In vivo models.
4. Recent publications commensurate with experience.
5. Methodical approach to planning and management.
6. Good record keeping and attention to detail in experimental procedures.
7. Willingness to contribute to group's management, administration, or outreach activities.
8. Sufficient specialist knowledge in the discipline, including research methods.
9. Ambitious, motivated and organised.
10. Ability to communicate complex information clearly.
11. Demonstrable intellectual ability.
12. Ability to manage resources.
13. Ability to work independently and as part of a team when required.
14. Demonstrate a clear interest in this area of research.
15. Irregular hours, including evenings and weekends, will be a component of the research at times.

DESIRABLE CRITERIA:

1. Home Office personal licence (or relevant experience).
2. Experience of primary lymphocyte cultures.
3. Productivity in previous post, evidenced by strong publication record commensurate with career stage.
4. Recent experience of collaborative or interdisciplinary research.
5. Research project management experience.
6. Up-to-date knowledge of intracellular trafficking or antigen presentation.
7. Ability to build contacts and participate in internal and external collaborations.
8. Problem solving skills.
9. Willing to attend and present at national and international meetings.