5 year Independent Research Fellowship in Human Epithelial Cancer Immunology

Department: Jack Birch Unit, Department of Biology

Hours of work: Full Time | 37 hours per week

Contract type: Open

Salary: Grade 7 | £42,155 - £51,805 per year
Introduction

We are seeking a highly motivated and talented research fellow with a strong background in immunology to join the Jack Birch Unit (JBU) at the University of York with the purpose of developing an independent programme of research in human epithelial immunosurveillance. The JBU is the flagship research unit of local charity, York Against Cancer and has a long term focus on human urothelial (bladder) cancer as a relic of Yorkshire’s industrial past. The successful recruit will be encouraged to use the well-established human urothelial in vitro cell/tissue systems and human data resources available in the JBU to develop a programme around immune cell activation in the human urothelial tissue and cancer environment. It is anticipated that the fellow will collaborate with scientists and informaticians in the JBU, as well as forge collaborations with other cancer and immunology labs in and external to the Department of Biology in order to develop an ambitious and competitive independent research programme. The appointment will be made to the rigorous standards of other competitive Fellowship appointments in the Department. The first 3 years will be funded as a research post by York Against Cancer, with the Department/University supporting up to a further 2 years and with anticipation of the fellow applying for further external independent fellowship funding and/or being appointed as a lecturer in the Department.

Main purpose of the role

- To lead and contribute on the production of research outputs and research outcomes.
- To participate actively in the planning and management of research projects, including supervising the work of others and providing expert advice and guidance
- To contribute to and/or lead the obtaining of external research funding
- To contribute to the public understanding of research and scholarship

Key responsibilities

(Role holders will be required to undertake some or all of the duties below)

- To participate actively in the planning and advancement of a programme of research, with duties to include: the development of a research project in epithelial immunosurveillance; the management of other research staff, support staff and research students to ensure that the project is successfully completed and that the researchers working on the project are supported in their personal and professional development; the management of research resources, ensuring that effective use is made of them
- To write or contribute to publications or disseminate research findings, including public engagement to non-research specialist organisations using other appropriate media
- Undertake peer review of research publications and actively contribute to the Research Excellence Framework (REF)
- To make presentations at conferences or exhibit work in other appropriate events
- To develop ideas and necessary collaborations for application of research outcomes
- To decide on research programmes and methodologies, often in collaboration with colleagues
- To develop ideas for generating income and promoting the research area, including contributing to the process of securing external funding
- Extend, transform and apply knowledge acquired from scholarship to research and appropriate external activities
● To supervise postgraduate research students and mentor colleagues with less experience. Advising on their personal development and supporting them in developing their research techniques

● To attend departmental meetings as required and undertake appropriate managerial and administrative tasks in connection with the research activity

● To develop and initiate collaborative working internally and externally, and the fostering of internal and external networks in order to advance research and exploit opportunities for collaboration and funding sources
## Person specification

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<th>Qualifications</th>
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<td>First degree in biological or biomedical sciences or related</td>
<td>Essential</td>
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<td>Immunology as a component or specialism of first degree</td>
<td>Desirable</td>
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<td>PhD in Immunology or equivalent experience</td>
<td>Essential</td>
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<th>Knowledge</th>
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<td>Knowledge of molecular immunology to engage in high quality research</td>
<td>Essential</td>
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<td>Knowledge of human immunology</td>
<td>Essential</td>
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<td>Use of scientific approach and experimental planning incorporating a range of research techniques and methodologies</td>
<td>Essential</td>
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<td>Research expertise in an area relevant to developing an independent research programme in human immunosurveillance to complement and enhance the department’s research strategy and goals</td>
<td>Essential</td>
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<td>Advanced and specialist data handling and IT knowledge</td>
<td>Essential</td>
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<td>Knowledge/experience of research in area of relevance to position, such as epithelial:immune interactions, immunosurveillance, immunotherapy, human in vitro systems.</td>
<td>Desirable</td>
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<th>Skills, abilities and competencies</th>
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<td>Highly developed communication skills to engage effectively with a wide ranging audience, both orally and in writing, using a range of media</td>
<td>Essential</td>
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<td>Ability to lead and/or take responsibility for a research project</td>
<td>Essential</td>
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<td>Ability to supervise the work of others, for example in research teams or projects</td>
<td>Essential</td>
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<td>Ability to write up research work for publication and onward dissemination</td>
<td>Essential</td>
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<td>Ability to persuade and influence project stakeholders</td>
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<td>Ability to develop research objectives, projects and proposals for own and joint research</td>
<td>Essential</td>
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<td>Competency to conduct individual and collaborative research projects</td>
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<td>Ability to identify sources of funding and contribute to the process of securing funds, with collaborators if required</td>
<td>Essential</td>
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<td>Ability to extend, transform and apply knowledge acquired from scholarship to research and appropriate external activities</td>
<td>Essential</td>
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<td>Competency to make presentations at internationally recognised conferences or exhibit work in other appropriate events</td>
<td>Essential</td>
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<td>Well-developed analytical skills</td>
<td>Essential</td>
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**Experience**

| Experience of undertaking publicly evidenced high quality research | Essential |
| Evidenced active participation in the planning and advancement of research projects | Essential |
| Proven ability to attract and obtain external research funding | Desirable |
| Successful management of research projects including supervision of the work of others and providing expert advice and guidance to teams | Essential |
| Evidence of dissemination of scholarly work which may include: the presentation of papers at conferences and workshops; participation in public engagement events to disseminate research; the publishing of chapters in text books; the publishing of papers; articles or reviews in academic journals or elsewhere; the development of websites | Essential |

**Personal attributes**

| Attention to detail and commitment to high quality | Essential |
| Collaborative ethos | Essential |
| Commitment to promoting the public understanding of research and scholarship | Essential |
| Positive attitude to colleagues and students | Essential |
| Willingness to work proactively with colleagues in other work areas/institutions | Essential |
| Ability to plan and prioritise own work in order to meet deadlines | Essential |
| Commitment to personal development and updating of knowledge and skills both for themselves and the personal development of those they supervise | Essential |