

## Candidate Information

<b>Position:</b>	Lecturer in Retinal Disease
<b>School/Department:</b>	School of Medicine, Dentistry and Biomedical Science
<b>Reference:</b>	24/111852
<b>Closing Date:</b>	Monday 10 June 2024
<b>Salary:</b>	£46,497 - £57,141 per annum
<b>Anticipated Interview Date:</b>	Thursday 22 August 2024

### JOB PURPOSE:

To expand the research excellence and strengthen the academic base within the Wellcome-Wolfson Institute for Experimental Medicine, to teach at undergraduate and postgraduate level, and to contribute to School and Institute administration / outreach activity.

The post holder will employ multidisciplinary and innovative approaches to advance our understanding in the theme of vision science and vascular biology to include retinal disease (e.g. diabetic retinopathy, macular degeneration), immunologic/inflammatory disorders of the eye, disorders of the eye with links to other chronic conditions such as ageing/dementia/neurological disorders.

### MAJOR DUTIES:

#### Research:

1. Develop and contribute to the research activities of the School by sustaining a personal research plan by managing and undertaking research activities in accordance with a specific project plan in vision science and vascular biology theme of the Institute.
2. Sustain a high quality publication record by publishing in refereed journals and presenting at conferences to assist individual research so that the School's research profile is enhanced.
3. Develop research proposals and funding bids as principal investigator, and in collaboration with others, to sustain a high quality research programme.
4. Direct, coach and develop research staff, where appropriate.
5. Supervise PhD and MD students as appropriate.
6. Ensure that research projects are completed on time and within budget.

#### Teaching:

1. Develop teaching methods, design and deliver lectures/course units/module co ordination and deliver teaching and assessment activities, including lectures, coursework, practicals, and fieldwork according to own area of subject specialism.
2. Develop approaches to teaching and learning, which are appropriate for the subject area and reflect developing practice, particularly in the digital/ online arena.
3. Contribute to the enhancement of teaching quality within the subject, or at School / Faculty level, with a view to enriching the student experience and improving career outcomes.
4. Mentor and guide others on learning and teaching tasks and methods.
5. Contribute to the design of innovative teaching programmes.

#### Administration/Contribution to Community:

1. Contribute to the School's and Centre's outreach strategy by developing external links including commercialization.
2. Develop links with relevant industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.
3. Provide pastoral care for students within own area to ensure, as far as practicable, that all relevant issues are dealt with in a timely, sympathetic and effective manner.
4. Carry out designated School functions, including, for example, participation in committee work, -assisting in the process of admissions and preparation of submission for teaching quality assessment.

### **Additional Information:**

The Wellcome-Wolfson Institute for Experimental Medicine provides an outstanding environment of research excellence. Our mission is to promote the pursuit of scientific breakthroughs in biomedical and clinical research to improve patient outcomes. We are committed to be the international hub of excellence in innovation and discovery to identify and cure disease and improve health.

The Institute is an internationally recognized for its thematic strengths in Infection Biology and Host Response Research, Immuno-biology in Health and Disease, Vascular & Cell Biology, and Vision Science. We lead cutting-edge translational research in diseases areas of Respiratory Medicine and Critical Care, Infectious Disease, Ophthalmology, Cardiovascular Diseases, Neurology, and Diabetes and Multi-morbidities.

This rich scientific environment provides unique opportunities for fast track translation of basic discoveries into human disease. The Institute has access to core facilities for discovery science, including a BSL-3 lab, genomics, mass cytometry, imaging, and platforms to support clinical studies. There are excellent opportunities for collaboration with colleagues in the Centre for Public Health, the School of Pharmacy on formulations of drug delivery, The Patrick Johnson Cancer Centre on signalling and tissue genomics. The Institute also hosts research-led education programs towards bachelor's, masters, and doctoral training.

### **ESSENTIAL CRITERIA:**

1. Primary Degree.
2. PhD in a relevant subject area.
3. A minimum of three years' research experience at postdoctoral level in a field relevant to vision science and vascular biology.
4. Research profile which complements the portfolio of the Wellcome-Wolfson Institute for Experimental Medicine.
5. Recent, relevant publications in peer reviewed/refereed journals that are at recognised internationally as being high quality, commensurate with experience.
6. Experience of developing research methodologies, models, approaches and techniques.
7. Experience of presentations at national and international meetings and conferences.
8. Relevant teaching experience at University Level commensurate with the level of the post.
9. Relevant academic administrative/management experience.
10. Ability to liaise and develop translational programmes with clinicians.
11. Demonstrable interest in undertaking discovery science by bridging clinical work and fundamental biology (e.g. biomarkers, immune responses, tissue homeostasis).
12. Ability to advance the research and teaching goals of the School.
13. Ability to strengthen the School's national and international research networks.
14. Ability to negotiate contracts independently or as a leader of a section in major projects.
15. Good presentation skills with the ability to communicate complex information effectively.
16. Good communicator, written and oral.
17. Able to present research and other plans and reports to the wider academic community and non-academic audiences.
18. The ability to organise workload and prioritise competing demands.
19. Ability to manage resources and staff.
20. A team player who can develop effective internal and external links.
21. Clear commitment to interdisciplinary working including clinical translation of research.
22. Must be prepared to travel (conferences and visits to collaborators).

### **DESIRABLE CRITERIA:**

1. Completion of a PGCHET (or equivalent) or HEA membership.
2. Experience of supervising research activities of other Post-Doctoral Fellows or Postgraduate Students.
3. Record of securing external funding commensurate with the level of this post.
4. Experience working on translational models.
5. Identifying novel mechanisms or disease therapeutic targets.
6. Opportunities for the work to lead to drug discovery/commercialisation.