

Candidate Information

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| Position: | Senior Lecturer in Bacterial Pathogenesis |
| School/Department: | Wellcome-Wolfson Institute for Experimental Medicine, School of Medicine, Dentistry and Biomedical Science |
| Reference: | 22/110143 |
| Closing Date: | Monday 19 September 2022 |
| Salary: | £54,949 - £63,673 per annum |
| Anticipated Interview Date: | Monday 17 October 2022 |

JOB PURPOSE:

To 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 as to how bacteria contribute to pathogenesis, chronicity, and recurrence of human disease, including antibiotic resistance.

Research:

1. Develop and contribute to the research strategies of the School and lead research aligned with the Immunobiology and Microbes theme of the Institute.
2. Secure external funding as a principal investigator from nationally and /or internationally competitive sources to develop and support research programme.
3. Continue to develop a record of high quality research outputs that are at an international level of excellence.
4. Sustain high quality research-related contributions through conference papers and presentations.
5. Maintain a national and international reputation as an expert in own subject area.
6. Supervise PhD and MD students to successful completion.
7. Develop and facilitate a translational research portfolio as appropriate.
8. Collaborate with others within the Centre and University to develop a strong research programme.
9. Develop postgraduate research and training programmes.
10. Act as referee and contribute to peer assessment of research (including grants, manuscripts and theses).

Teaching:

1. Provide teaching in area of expertise in the undergraduate programmes in the School/Faculty.
2. Participate actively in postgraduate programmes/training within the School/Faculty as appropriate.
3. Contribute to the enhancement of quality teaching within the subject, school or faculty, ensuring that course design and delivery comply with the appropriate benchmarks and regulations.
4. Act as internal examiner for undergraduate and postgraduate students.
5. Undertake some teaching-related administrative tasks.

Administration/Contribution to Community:

1. Contribute significantly to the development and running of the School/area by taking on appropriate School co-ordinating roles. Such duties may include, for example, Advisor of Studies, QAA Aspect Co-ordinator, Module/Year/Programme Co-ordinator or other recognised official University roles.
2. Play an important role in relevant aspects of administration within WWIEM. Additionally he/she may be asked to undertake other administrative duties by the University from time to time.
3. Serve, as appropriate, on School/Faculty/University committees.
4. Act as mentor or PDR Reviewer to colleagues, advising on their personal development and ensuring that they are meeting the standards required.
5. Provide pastoral care for students within their supervision to ensure, as far as practicable, that relevant issues are dealt with in a timely, sympathetic and effective manner.

6. Contribute to the School's outreach strategy by designing or delivering Community outreach programmes and developing external links.

Additional Information:

The Wellcome-Wolfson Institute for Experimental Medicine provides an outstanding interdisciplinary and collegial environment to answer major questions of human health by understanding the molecular mechanisms of disease. The Institute is an internationally recognized hub for excellence in research on respiratory medicine and critical care, ophthalmology, basic immunology, and host-pathogen (viral and bacterial) interactions. This rich scientific environment provides unique opportunities for fast track translation of basic discoveries into human health. 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 on communicable diseases and antimicrobial resistance, the School of Pharmacy on formulations of drug delivery, and the School of Biological Sciences on environmental and food microbiology.

ESSENTIAL CRITERIA:

1. Primary Degree.
2. PhD in a related subject area.
3. Significant research experience at postdoctoral level in a relevant bacterial pathogenesis field.
4. Research profile which complements the infection biology portfolio of the Wellcome-Wolfson Institute for Experimental Medicine (in particular, on cellular microbiology, antimicrobial resistance, host-pathogen interaction, and microbiome research).
5. Record of high quality publications at an international level of excellence in internationally recognised journals.
6. Record of successfully obtaining significant research funding or other resources to underpin research, as appropriate to the discipline, through competitive national or international peer-reviewed processes as Principal Investigator.
7. Experience of developing research methodologies, models, approaches and techniques.
8. Experience of presentations at national and international meetings and conferences.
9. Successful PhD supervision as Primary Supervisor.
10. Substantial relevant teaching experience at University Level with evidence of appropriate leadership in education.
11. Experience of delivering high quality teaching as evidenced by positive feedback received from for example: students, colleagues and external examiners.
12. Contribution to a wide range of administrative tasks.
13. Evidence of academic leadership including managing professional teams, leading initiatives, chairing/participation in committees, contributing to strategy, participating and managing relevant aspects.
14. Ability to liaise and develop translational programmes with clinicians.
15. Demonstrable interest in undertaking discovery science by bridging clinical work and fundamental biology (e.g. biomarkers, immune responses, tissue homeostasis).
16. Ability to be involved in productive external collaboration with industry/community organisations/other institutions.
17. Ability to provide effective leadership for groups and activities with substantial impact on finance and other resources and/or the reputation of the University.
18. Understanding of resource management processes and skills to apply them effectively.
19. Record of and commitment to continuing professional development.
20. Good presentation skills with the ability to communicate complex information effectively.
21. Ability to represent the School/Institute on a national and international basis.
22. The ability to organise workload and prioritise competing demands.
23. Ability to manage resources and staff.
24. Commitment and enthusiasm for working collaboratively to advance the teaching and research priorities of the School/Institute.
25. A team player who can develop effective internal and external research and where appropriate practice links.
26. Leadership capability.
27. Must be prepared to travel (conferences and visits to collaborators).

DESIRABLE CRITERIA:

1. Completion of a PGCHET (or equivalent) or HEA membership.
2. Experience working on human bacterial pathogens.