

Candidate Information

Position:	Lecturer in Endothelial Biology
School/Department:	Centre for Experimental Medicine
Reference:	18/106886
Closing Date:	Wednesday 5 December 2018
Salary:	£40,792 - £50,132 per annum (potential to progress to £53,175 per annum through sustained exceptional contribution)
Anticipated Interview Date:	Friday 11 January 2019

JOB PURPOSE:

To strengthen the academic base within the Centre for Experimental Medicine (<https://www.qub.ac.uk/research-centres/CEM/>), School of Medicine, Dentistry and Biomedical Sciences at Queen's University Belfast, to teach at undergraduate and postgraduate level, and to contribute to School and Centre administration/outreach activity.

The Lecturer's research will use cutting-edge approaches to study microvascular biology and pathobiology ideally within the molecular and cellular mechanisms of endothelial function including the cross-talk with other immune cells. Collaboration with both basic scientists and clinicians to explore the impact of the endothelial biology on human health and how to implement endothelial-based therapeutic approaches are key parts of the role.

MAIN ACTIVITIES/RESPONSIBILITIES:

The following describes the type of work that is typically required of academic staff at this level. It is not expected that anyone carries out all the activities mentioned below and some carry out additional duties.

1. Research

- Develop the research activities of the School by sustaining a personal research plan by, managing and undertaking epigenetics research activities in accordance with a specific project plan in the research themes of the Centre.
- Sustain a high quality publication record by publishing in refereed journals and presenting at conferences to assist individual research and so that the School's research profile is enhanced.
- Develop research proposals and funding bids in collaboration with others.
- Direct, coach and develop research staff, where appropriate.
- Ensure that research projects are completed on time and within budget.

2. Teaching

- Develop teaching methods, design course units and deliver teaching and assessment activities including lectures, coursework, practicals, and fieldwork according to own area of subject specialism.
- Develop approaches to teaching and learning, which are appropriate for the subject area reflect developing practice
- Contribute to the enhancement of quality teaching within the subject, school or faculty.
- Develop and advise others on learning and teaching tasks and methods.
- Contribute to the design of innovative teaching programmes.

3. Administration/Contribution to Community

- Contribute to the School's outreach strategy by developing external links.
- Develop links with relevant industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.
- 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.
- 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 or the REF.

PLANNING AND ORGANISING:

- Plan for and set teaching and research objectives over a number of years.
- Plan and manage own teaching and tutorials as agreed with Head of School.
- As module leader, co-ordinate with others (such as support staff or academic colleagues) to ensure student needs and expectations are met.
- Design/update modules in line with School's teaching strategy.
- Plan for the use of teaching and research resources, laboratories and workshops as appropriate.
- Prepare research proposals for submission for external funding.

RESOURCE MANAGEMENT RESPONSIBILITIES

- Mentor colleagues with less experience and advise on personal development.
- Depending on the area of work, could supervise the work of others, for example in research teams and projects.
- Manage own teaching, research and administrative demands under general supervision of Head.
- Assist in the development of skills and competence in others (for example through the supervision of research students).
- Manage use of resources for research and teaching.
- Participate in judgements regarding the use of resources within their research project/school.
- Act as mentor for students in capacity of personal tutor.

INTERNAL AND EXTERNAL RELATIONSHIPS:

- Communicate complex and conceptual ideas to students as well as to peers using high level skills and a range of media.
- Member of the School Board and Examination Board and such committees relevant to their administrative duties.
- Collaborate with other academics within School.
- Participate in and develop networks, for example to identify sources of funding, contribute to student recruitment, act as website editor, secure student placements, market the institution, facilitate outreach work, generate income, obtain consultancy projects, or build relationships for future activities.
- Contribute to the School's outreach programme by establishing links with local community groups, industries etc.

ESSENTIAL CRITERIA

- Primary Degree
- PhD in a relevant subject area
- A minimum of three years' research experience at postdoctoral level in a relevant microvascular/cardiovascular field, using cutting edge approaches to study microvascular biology and pathobiology. Although all areas of microvascular biology and disease will be considered, we are particularly seeking candidates who have primary interest in the molecular and cellular mechanisms of endothelial function including the cross-talk with other immune cells.
- Recent, relevant publications in peer reviewed/refereed journals that are recognised internationally as being high quality, commensurate with experience.
- Research profile which complements the research priorities and strengths of the Centre for Experimental Medicine (cardiovascular and respiratory medicine, ophthalmology, microbiology and immunology).
- Experience of developing research methodologies, models, approaches and techniques
- Experience of presentations at national and international meetings and conferences
- Relevant teaching experience at University Level.
- Relevant academic administrative/management experience
- Ability to advance the research and teaching goals of the School.
- Ability to strengthen the School's national and international research networks
- Ability to negotiate contracts independently or as a leader of a section in major projects
- Good presentation skills with the ability to communicate complex information effectively
- Good communicator, written and oral
- Able to present research and other plans and reports to the wider academic community and non-academic audiences
- The ability to organise workload and prioritise competing demands.
- Ability to manage resources and staff
- A team player who can develop effective internal and external links.
- Leadership capability
- Clear commitment to interdisciplinary working including clinical translation of research

- Ability to undertake national and international travel and to work irregular hours as required for the role (within the context of the School's ongoing work and commitment to gender equality as an Athena SWAN Silver award holder)

DESIRABLE CRITERIA

- Completion of a PGCHET (or equivalent) or HEA membership.
- Experience of supervising research activities of other Post-Doctoral Fellows or Postgraduate Students
- Evidence of having obtained funding from government or private charitable agencies to support independent research
- Expertise in the use of novel in vitro model systems and in vivo imaging tools
- An interest in collaborating with both basic scientists and clinicians to explore the impact of the endothelial biology on human health and how to implement endothelial-based therapeutic approaches