

Candidate Information

Position:	Research Fellow
School/Department:	Centre for Experimental Medicine
Reference:	18/107035
Closing Date:	Wednesday 30 January 2019
Salary:	£33,199 - £39,610 per annum (potential to progress to £43,266 per annum through sustained exceptional contribution)
Duration:	18 weeks

JOB PURPOSE:

To initiate, develop and manage high level research projects in line with the objectives of BREATH (INTERREG VA). The position will involve working as an active member of the cross-border research consortium focused on developing innovative approaches to target new treatments for chronic obstructive pulmonary disease (COPD).

MAJOR DUTIES:

1. Develop the research activities of BREATH by sustaining a personal research plan to include managing and undertaking research activities in accordance with the BREATH objectives.
2. Sustain a high quality publication record by publishing in refereed journals and presenting at conferences.
3. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
4. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
5. Liaise with the members of the BREATH scientific supervisory team to undertake the ethical and research governance procedures for the project.
6. Direct, coach and develop research staff, where appropriate.
7. To assist in the development and management of new intellectual property.
8. To contribute to negotiations with industry to further opportunities for collaborations and commercialisation within the research specialism.
9. Develop research proposals and funding bids in collaboration with others to expand capabilities and to secure the future of the BREATH programme.
10. Contribute to the post-graduate training programme through involvement in BREATH training events and associated tasks within the consortium.
11. Be responsible for laboratory training where applicable, and advise students on techniques.
12. Carry out routine administrative tasks associated with the QUB BREATH research projects to ensure that projects are completed on time and within budget. These might include organisation of project meetings and documentation, financial control, risk assessment of research activities and the development of SOPs
13. Contribute to the BREATH outreach strategy by developing external links.
14. Develop links with relevant research groups, industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.

Planning and Organising:

1. Plan to meet the research objectives of BREATH.
2. Facilitate student placements within the partner institutions and/or industry.
3. Plan for the use of research resources, laboratories and workshops as appropriate.
4. Coordinate and liaise with other members of the research group over work progress.

Resource Management Responsibilities:

1. Supervise the work of others, for example in research teams and projects.
2. Manage own research, teaching and administrative demands under general supervision of project PIs.
3. Assist in the development of skills and competence in others (for example through the supervision of research students).
4. Monitor and ensure effective management of assets and budgets allocated as part of the role.
5. Participate in judgements regarding the use of resources within their research project/school.

Internal and External Relationships:

1. Supervise student research projects within the laboratories.
2. Liaise on a regular basis with colleagues and students.
3. Collaborate with other staff within BREATH.
4. Actively participate in the outreach, communication and dissemination activities of BREATH
5. Join, participate in and develop external networks, for example to identify sources of funding, generate income, obtain consultancy projects, or build relationships for future activities.
6. Travel to and present at scientific meetings, collaborative laboratories, BREATH and external conferences.

ESSENTIAL CRITERIA:

1. A relevant degree
2. Have or about to obtain a PhD in Biochemistry, Physiology, Neuroscience or related discipline.
3. At least 3 years' recent research experience to include experience in two out of the following techniques:
 - iPSC generation
 - neuronal differentiation
 - calcium imaging
 - patch clamping
4. A high academic standing with a growing reputation in research within subject specialism.
5. A sustained publication record in peer reviewed/refereed journals or invited presentations.
6. Research interests that are sustainable.
7. Willingness to teach research students and visiting researchers to the laboratory
8. Skills in managing and motivating staff.
9. Ability to devise, advise on and manage research projects.
10. Ability to contribute to broader management and administrative processes.
11. Willingness to contribute to BREATH outreach programme by links with industry, community groups, schools, etc
12. Experience of developing research methodologies and devising models, approaches, critiques and methods.
13. Ability to communicate complex information effectively.
14. Competent in giving oral and poster presentations and preparation of research and progress reports.
15. Demonstrable intellectual ability.
16. Clear leadership skills
17. Ability to supervise work of others in research team.
18. Ability to manage resources.
19. Irregular hours including weekend working may be a component of research at times.
20. Must be willing to travel between partner institutions and collaborating enterprises.

DESIRABLE CRITERIA:

1. Protocol generation for iPSCs or neuronal differentiation.
2. Electrophysiological characterisation of neurones.
3. High impact publications commensurate with stage of career
4. Experience in contributing to outreach activities to lay audiences.
5. Experience, achievement and growing reputation in the discipline, reflected in invited conference presentations and awards