

Candidate Information

Position:	Research Fellow (Research Pathologist)
School/Department:	School of Medicine, Dentistry and Biomedical Sciences
Reference:	19/107380
Closing Date:	Wednesday 15 May 2019
Salary:	£33,199 to £38,460 per annum
Duration:	Available until 31 December 2021

JOB PURPOSE:

This post will be based in the integrated environment of the Precision Medicine Centre of Excellence (PMC) and will undertake two main functions: a) the annotation duties required as part of the successful Innovate UK Industry Challenge Fund in Queen's University; and b) the contribution to specific research projects within the PMC. This is an exciting opportunity to work within a team of national experts and to contribute to an innovative project that will generate novel tools and data suitable for publication in high impact journals and contribute to a future national resource in the form of a data lake, as part of the PathLAKE Consortium.

MAJOR DUTIES:

1. To be responsible for annotating digital images of pathology slide samples from cancer and non cancer sources using relevant platforms.
2. To engage with academic, Health & Social Care and industry staff in the team for the accurate digital pathology evaluation of deep learning convolution neural networks.
3. To have an opportunity to undertake integrated data analysis involving linked clinical pathological data sets.
4. To assist in developing a detailed project plan for the project and to liaise with colleagues on project design, data collection and data analysis.
5. To prepare, in consultation with the local team, material for publication in national and international journals and presentations at national and international conferences.
6. To work with other members of the QUB team on planning for future grant applications including assisting in preparation of funding proposals to external bodies.
7. To comply with all regulatory requirements for the use of human tissue samples in the delivery of this project and related research as required.
8. To present regular updates on progress of the project to the local research team or to external audiences to disseminate and publicise research findings and to participate in drafting written project progress reports as required.
9. To read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

Planning and Organising:

1. To ensure timely completion of specific deliverables within the project.
2. To plan for the use of research resources.
3. To plan own day-to-day activity within the framework of the agreed research programme.
4. To coordinate and liaise with other members of the group regarding progress.

Resource Management Responsibilities:

1. To ensure resources are used in an effective and efficient manner.
2. To provide support and guidance as required to staff involved with the project.
3. To share responsibility for the upkeep of equipment and exercise due diligence when using equipment.

Internal and External Relationships:

1. To liaise on a regular basis with colleagues and key stakeholders within the PathLAKE Consortium.
2. Communicate openly with colleagues in the team the latest findings.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a relevant PhD in the area of cancer digital pathology.
2. Medically qualified and trained in a National Pathology Programme.
3. 3 years relevant work experience within a Diagnostic Anatomic/Surgical/Histopathology Laboratory environment.
4. Experience of Digital Pathology including use of image analysis programs.
5. A publication track record commensurate with the stage of career.
6. Experience of project management.
7. Proven ability to work in a multi-disciplinary environment as part of a research team.
8. Excellent IT/computer science skills.
9. Excellent organisational skills.
10. Excellent inter-personal skills.
11. Evidence of ability to write concise reports and meet deadlines.
12. Evidence of ability to deal competently with administrative tasks and contribute to broader management tasks.
13. Clear communicator.
14. Ability to give formal presentations.
15. Ability to work independently and on own initiative.
16. Ability to act decisively and confidently.
17. Ability to work outside normal hours when necessary.

DESIRABLE CRITERIA:

1. FRCPath.
2. GMC registration.
3. Experience in 1 or more of the following:
 - .Reporting Diagnostic Cytology;
 - .Reporting with IHC, or other hybridisation technologies;
 - .Digital Pathology including experience of training Deep Learning networks.