

Candidate Information

Position:	Research Assistant in Signalling Pathways (Part Time)
School/Department:	The Wellcome-Wolfson Institute for Experimental Medicine
Reference:	19/107973
Closing Date:	Friday 6 December 2019
Salary:	£28,331 - £32,817 per annum (pro rata).
Anticipated Interview Date:	Wednesday 18 December 2019
Duration:	This post is available for 12 months with possibility of extension.

JOB PURPOSE:

To be an active member of the Gene Regulation Group led by Dr. Vijay Tiwari in the Wellcome-Wolfson Institute for Experimental Medicine. The position will contribute to internationally competitive research on the role of signalling pathways in pathogenesis. The group employs high-throughput genomics assays and cutting-edge epigenetics and molecular biology tools in combination with cancer biology and neurobiology. The resulting datasets are analysed using computational and systems biology approaches to generate comprehensive models of epigenetic regulation of gene expression during cancer metastasis and neurogenesis. The successful applicant will have responsibilities in independent research, supervision, planning, day-to-day lab management, collaborations and outreach. The post is suited to a highly ambitious individual and is available for 50% time for 1 year.

MAJOR DUTIES:

1. Undertake basic research activities that may include laboratory experiments, critical evaluation and interpretation, computer-based data analysis and evaluation or library research in consultation with the research grant holder or supervisor.
2. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
3. Write up results of own work and contribute to the production of research reports, publications and proposals.
4. May contribute to introductory courses, for example, on the use of research methods and equipment.
5. Carry out undergraduate supervision/demonstrating/teaching duties under direction.
6. Carry out routine administrative duties as requested, e.g. arranging research group meetings, maintaining research group website.
7. Read academic papers, journals and textbooks to keep abreast of developments.
8. Carry out school/undergraduate/post-graduate student and visiting researcher training and supervision, demonstrating, tutoring or lecturing duties within the post holder's area of expertise and under the guidance of a member of academic staff.
9. Carry out any other duties designated by a line manager and which fall within the general ambit of the post.

Planning and Organising:

1. Plan for specific aspects of research programme.
2. Plan for access to, and use of, research resources, laboratories and workshops where appropriate.
3. Plan own day-to-day activity within framework of the agreed research programme as well as communal activities (e.g. meetings) were appropriate.
4. Coordinate and liaise with other members of the research group and collaborative research groups regarding work progress and stock management.
5. Assist in training other group members on effective planning and organisation.

Resource Management Responsibilities:

1. Ensure research resources are used in an effective and efficient manner.
2. Provide guidance as required to support staff and any students who may be assisting with research.

Internal and External Relationships:

1. Liaise with research colleagues and support staff on routine matters.
2. Make internal and external contacts to develop knowledge and understanding and form relationships for future collaboration.
3. Attend and contribute to relevant meetings.

ESSENTIAL CRITERIA:

1. Degree or equivalent in molecular biology or biochemistry or Pharmacology.
2. At least 1 years recent relevant work experience to include basic molecular biology techniques such as loss and gain of function experiments, cloning; mammalian cell culture; immunohistochemistry; immunofluorescence assays; functional experiments in vivo using mouse models.
3. Methodical approach to project management and meticulous in regards to experimental procedures and record keeping.
4. Ability to contribute to method improvement where required.
5. Shows a commitment to, and interest in, research topic.
6. Competent in maintaining knowledge of cutting-edge of field of expertise.
7. Ability to interact with research colleagues and support staff.
8. Competent in giving effective and informative oral and poster presentations.
9. Ability to analyse and communicate effectively.
10. Demonstrable intellectual ability.
11. Strong ability to work from own initiative.
12. Excellent team working skills in multiple internal and external team settings.
13. Open to working in irregular hours and willingness to travel for meetings and collaborations.

DESIRABLE CRITERIA:

1. May be working towards a PhD or hold a PhD.
2. Experience in signalling pathway analysis.
3. Research project management.
4. Up-to-date knowledge in the field of signalling pathways.