



Candidate Information

Position:	Research Assistant in Epigenetics
School/Department:	Centre for Experimental Medicine
Reference:	18/107043
Closing Date:	Thursday 17 January 2019
Salary:	£27,831 - £32,236 per annum (potential to progress to £35,210 per annum through sustained exceptional contribution)
Anticipated Interview Date:	week commencing 28 January 2019
Duration:	12 months

JOB PURPOSE:

To be an active member of the research group led by Dr Kostareli investigating epigenetics in lymphocytes in health and disease. The post-holder will assist the planning and delivery of research activity by in vitro and in vivo experiments, FACS, qPCR, Western blot as well as cutting-edge analyses (ATAC-seq, Chip-Seq and RNA-seq). Priority will be given to candidates with research interests and expertise in epigenetics and/or leukemia/cancer.

MAJOR DUTIES:

1. Plan and conduct experimental procedures to a specification agreed with the PI including assisting others with experiments.
2. Work independently, preparing and carrying out procedures for experiments according to Standard Operating Procedures.
3. Contribute to the development and validation of new or improved methods/techniques based on technical knowledge and experience
4. Perform analyses, critical evaluations and interpretations of experimental data and the literature using methodologies and techniques appropriate to area of research
5. Present regular progress reports to the PI and onresearch team meetings as well as to external audiences/meetings.
6. Carry out undergraduate supervision/demonstrating/teaching duties under direction.
7. Carry out routine administrative duties as requested
8. Comply with health and safety procedures affecting self and others and ensure the work area is clean and safe at all times.

Planning and Organising:

1. To plan and deliver the specific goals of research programmes and contribute to research group planning.
2. To plan for the use of research resources, data resources where appropriate.
3. To plan own day-to day activity within framework of the agreed research programme.
4. To coordinate and liaise with other members of the research group over work progress.

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 CEM or other local seminars and research meetings.

ESSENTIAL CRITERIA:

1. Hold or about to obtain a BSc in Biomedical Sciences, Molecular Biology, Genetics or a closely related area
2. At least one year of relevant laboratory experience (e.g. molecular biology, cancer genomics/epigenomics).

3. Practical experience with at least two of the following :
 - Chromatin-immunoprecipitation
 - Cell culture
 - Nucleotide extractions (RNA & DNA), standard PCR, and qPCR
 - Protein expression, purification and analysis
4. Methodical approach to project management and meticulous in regards to experimental procedures and record keeping
5. Must be able to fully understand and construct complex protocols
6. Good understanding of relevant regulations and procedures including Health and Safety requirements.
7. Must display clarity of thinking and ability to address a variety of research topics
8. Organised and attentive to detail, ability to meet deadlines
9. Must demonstrate a true commitment to and interest in a research career
10. Must be willing to work irregular hours when necessary for the progress of the research project
11. Good communication and interpersonal skills.
12. Ability to communicate complex information in a clear way.
13. Good team working skills in multiple team settings as well as leadership qualities.
14. Excellent problem-solving skills and able to use own initiative.
15. Be capable of using own initiative
16. Ability to plan own work schedule responding to new pressures and adjusting priorities.
17. Must be prepared to work outside normal working hours as necessary.
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DESIRABLE CRITERIA:

1. MSc degree in biological sciences, Biochemistry or closely related area
2. Have, or about to obtain, a PhD in above areas
3. Experience with:
 - Epigenetic analyses
 - Immunohistochemistry
 - Crisp/Cas9
 - RNA-Seq
 - FACS
 - Animal work
4. Experience in supervision or training of research students
5. Experience with ordering lab supplies
6. Experience maintaining general lab equipment and troubleshooting.
7. Grant, manuscript and abstract writing experience
8. Have, or about to produce a peer reviewed publication from previous research work
9. Evidence of conference contributions (oral/poster)