Candidate Information

Position:	Senior Research Fellow/Research Fellow (depending on experience)
School/Department:	School of Pharmacy
Reference:	23/111014
Closing Date:	Monday 3 July 2023
Salary:	Senior Research Fellow: £44,414 - £45,737 per annum. Research Fellow: £39,592 to £43,155 per annum.
Anticipated Interview Date:	Monday 17 July 2023
Duration:	Fixed term for 2 years or available until 31 July 2025, whichever is sooner.

JOB PURPOSE:

The Coulter lab are recruiting a senior postdoctoral research fellow to join our expanding research team. The role will support the pre-clinical development of our existing radiotherapy project. This is an opportune time to join our ambitious and growing team as we advance the development of our nanoparticle technology toward clinical trial. We are seeking a highly skilled and motivated scientist with exceptional organisational and communication skills.

MAJOR DUTIES:

1. Follow initial guidance and relevant training, to independently drive specific research objectives and meet deadlines.
2. Generate robust, reproducible scientific data, analyse effectively and present results in a variety of contexts both oral and written.
3. Effectively communicate results and learnings both within the project team and externally with scientific advisors, research collaborators, stakeholders and customers.
4. Prepare, often in consultation with supervisor, material for IP protection, regulatory approval and publication. If appropriate present at national/international conferences.
5. Be responsible for the generation, revision, and/or review of laboratory or equipment related SOPs and other quality documents. Effectively troubleshoot any technical issues.
6. Carry out routine administrative tasks associated with the research project and laboratory maintenance to ensure the project is completed on time and within budget.

ESSENTIAL CRITERIA:

1. Have a PhD in life sciences (immunology, molecular biology, virology, radiation biology, cancer biology), pharmaceutical sciences, or a related discipline.
2. At least 5 years research experience to include:
   • Significant 'in vivo' experience. Must hold a valid UK Home Office licence (PIL). Experience in the design and establishment of experimental models 'in vivo'.
   • Experience with PK/PD studies and expertise in both 'in vivo' and 'ex vivo' imaging modalities.
   • Experience in 'ex vivo' tissue processing to include IHC, IF techniques.
   • Knowledge of assessing 'in vivo' immunological responses.
   • Expertise in various core molecular and cellular biology techniques such as PCR, cell culture, ELISA, Western blotting, clonogenic assays.
3. Experience in preparation, often in consultation with supervisor, of material for IP or regulatory protection.
4. Research publications in relevant reputable peer-reviewed journals, commensurate with career stage.
5. Demonstrable experience supporting junior staff and team members of research group.
6. Ability to carry out routine administrative tasks associated with the research projects and laboratory maintenance.
7. Ability to communicate effectively, both verbally and in writing.
8. Ability to prioritise own work within a general plan to meet deadlines.
9. Practical problem-solving skills, and independence of thought.

10. Ability to build contacts and participate in internal and external networks.
11. Ability to assess and organise resources.
12. Proven ability to present scientific arguments and data in a clear, concise and confident manner.
13. Demonstrable experience in presenting regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
14. Composed and conscientious scientist, able to work in a disciplined manner within a team environment.

DESIRABLE CRITERIA:

1. Experience with syngeneic models of cancer.
2. Experience of nanoparticle formulation and characterisation.
3. A working knowledge of, or experience working within a regulated laboratory.
4. Knowledge of accreditation process would be an advantage (e.g. GxP).
5. Knowledge of UK medical device regulatory processes.
6. Experience of assisting in preparation of funding proposals and applications to external bodies.
7. Experience in supervision of postgraduate students and research staff.
8. Evidence of independent assay development.