

Candidate Information

Position:	Research Assistant
School/Department:	Pharmacy
Reference:	23/110730
Closing Date:	Monday 27 March 2023
Salary:	£29,619 per annum
Anticipated Interview Date:	Tuesday 18 April 2023
Duration:	12 months

JOB PURPOSE:

To be an active member within the Ocular Drug Delivery research group in the School of Pharmacy, Queen's University Belfast. The Research Assistant will be the active member of the spinout company, Re-Vana Therapeutics, a preclinical stage company focused on developing innovative long-acting drug delivery systems. The candidate will carry out the job as described below.

MAJOR DUTIES:

1. Undertake research activities within the area of novel controlled release drug delivery systems for ocular applications.
2. Carry out analytical techniques and biological assays such as HPLC, ELISA, SDS PAGE, and bioburden as per standard guidelines.
3. Design, develop and refine experimental apparatus and experiments appropriate to the preparation, characterisation and development of controlled release drug delivery systems.
4. Carry out daily laboratory activities including SOPs, calibration of instruments, and maintenance of logbooks.
5. Present regular progress reports on research to members of the research group, funding body and external audiences to disseminate and publicise research findings.
6. Write up results of own work and contribute to the production of research reports, publications and proposals.
7. Carry out routine administrative duties as requested, e.g., arranging research group meetings, ordering materials, consumables for lab use.
8. Read academic papers, journals and textbooks to keep abreast of developments.
9. Carry out any other duties designated by a line manager, and which fall within the general ambit of the post.

ESSENTIAL CRITERIA:

1. Degree or equivalent in subject relevant to research activity.
2. At least 1 years' experience in the following:
 - Use of HPLC for analysis of biologics
 - Experience in running biological assays such as ELISA, SDS-PAGE, and bioburden
 - Experience in characterisation of controlled drug delivery systems
 - Experience in laboratory activities such as drafting SOPs, equipment calibration and maintenance.
3. Good planning, organisation, and execution skills.
4. Manage allotted tasks to completion and issuing of report.
5. Contribute to the School's outreach programme by links with industry, community groups etc.
6. Ability to contribute to method improvement where required.
7. Practical problem-solving skills and independence of thought are required.
8. Evidence of good technical writing skills.
9. Evidence of good presentation skills.
10. Ability to interact with research colleagues and support staff.
11. Ability to analyse and communicate effectively.
12. Demonstrable intellectual ability.

DESIRABLE CRITERIA:

1. Master's degree in sciences (Pharmacy/ Biology/Chemistry).
2. Experience in techniques such as FTIR, imaging techniques such as SEM.
3. Biological assays such as histopathology.
4. Supervising undergraduate students.
5. Experience of working in a multi discipline team.
6. Experience in using MS office and Statistical analysis software's.