

Candidate Information

Position:	Research Assistant
School/Department:	Chemistry and Chemical Engineering
Reference:	21/109020
Closing Date:	Monday 6 September 2021
Salary:	£28,331 to £32,817 per annum
Anticipated Interview Date:	Friday 24 September 2021
Duration:	Available for 12 months or until 30 June 2022 (whichever is soonest)

JOB PURPOSE:

To be an active member of the team in making applications for funding to support Porous Liquid Technologies Ltd. (PLT) and potentially assisting in lab-based research as required.

MAJOR DUTIES:

1. Assist in the identification of opportunities for research funding and develop research proposals of benefit to Porous Liquid Technologies Ltd.
2. If required, to 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.
3. Present regular progress reports to members of the Directors of PLT, the James research group or to external audiences to disseminate and publicise research findings.
4. Write up results of own work and contribute to the production of research reports, publications and proposals.
5. Assist with undergraduate supervision if required 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 any other duties designated by a line manager and which fall within the general ambit of the post.

Planning and Organising:

1. Plan own day-to-day activity within the framework of the agreed work programme.
2. Contribute to the instigation and planning of research grant applications, research projects, reports, publications and patents etc usually 1-6 months in advance.

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 the Directors of PLT and third parties toward achieving specified goals.
2. To develop effective working relationships with third parties.
3. Liaise with research colleagues and support staff on routine matters.
4. Make internal and external contacts to develop knowledge and understanding and form relationships for future collaboration.
5. Attend and contribute to relevant meetings.

ESSENTIAL CRITERIA:

1. 2:1 or higher honours degree in Chemistry, Chemical Engineering or closely related field.
2. Some practical experience of applying specialist skills and techniques required for the role.
3. Sufficient evidenced breadth or depth of knowledge of porous materials and their utilisation.
4. Ability to contribute to method improvement where required.
5. Demonstrable ability to identify opportunities for funding and to develop research proposals.
6. Ability to interact with third parties, research colleagues and support staff
7. Ability to analyse and communicate effectively.
8. Demonstrable intellectual ability, demonstrable ability to network effectively.

DESIRABLE CRITERIA:

1. A PhD or Postgraduate qualification in Chemistry or Chemical Engineering
2. 1 year's recent relevant commercial/industry experience.
3. Proven experience of working with industry on research programmes.
4. Previous experience assisting in the supervision of undergraduate students.

