Candidate Information

Position:	**Research Fellow**
School/Department:	**Chemistry and Chemical Engineering**
Reference:	**21/109020**
Closing Date:	**Monday 6 September 2021**
Salary:	**£33,797 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 of benefit to Porous Liquids Technologies Ltd. (PLT) and if required to assist in planning and delivery of the research activity within a specified area so that the overall research objectives are met.

MAJOR DUTIES:

1. Identify appropriate sources for funding of benefit to Porous Liquid Technologies Ltd., to develop the applications for funding with guidance from Prof. James and the other Directors of Porous Liquid Technologies Ltd.
2. If required, to develop and plan an area of personal research and expertise, and/or undertake research under supervision within a specific research project or as a member of a research team.
3. Design, develop and refine experimental apparatus, field research or experiments in order to obtain reliable data.
4. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
5. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
6. Prepare, often in consultation with supervisor, material for publication in patents, national and international journals and presentations at international conferences.
7. Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget. These might include organisation of project meetings and documentation, financial control, risk assessment of research activities.
8. Carry out occasional undergraduate supervision.
9. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

Planning and Organising:

1. Plan the process of developing and application for funding including consideration of appropriate milestones and the engagement of third parties. Timescales range from 1-6 months in advance.
2. Plan for the use of research resources, laboratories and workshops where appropriate.
3. Plan own day-to day activity within framework of the agreed tasks.
4. Plan up to a year in advance to meet deadlines.
5. Coordinate and liaise with other members of the research group over work progress.

Resource Management Responsibilities:

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

Internal and External Relationships:

1. Liaise on a regular basis with Prof. James and the Directors of PLT as well as third parties including commercial partners.
2. Build internal and external contacts including funding bodies and commercial partners, participate in networks for the exchange of information and to form relationships for future collaboration.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a PhD in Chemistry or Chemical Engineering
2. At least 3 years recent relevant recent research experience
3. Ability to contribute to broader management and administrative processes.
4. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
5. Demonstrable ability to develop applications for funding.
6. Ability to communicate complex information clearly.
7. Ability to build contacts and participate in internal and external networks.
8. Demonstrable intellectual ability.
9. Ability to assess and organise resources.

DESIRABLE CRITERIA:

1. Post-PhD experience such as Research Fellow or Industry/Commercial experience
2. Proven Experience of drafting one or more of the following: papers/patents
3. Proven Experience of drafting applications for funding.