Job Description

Job title	Research Associate
Department/School	Mathematical Sciences
Job family	Education and Research
Grade	7
Reporting to	Veronique Fischer and Clotilde Fermanian-Kammerer
Responsible for	Research
Location	University of Bath premises

Background and context

This post will be funded for 13 months by the Leverhulme Research Project grant RPG-2020-037 "Quantum limits for sub-elliptic operators". The role involves a close collaboration with Dr Veronique Fischer (Principal Investigator, University of Bath, UK) and Professor Clotilde Fermanian-Kammerer (Co-Investigator, Université Paris-Est Créteil) on the project.

Job purpose

To provide research expertise and work on the Leverhulme Research Project RPG-2020-037 "Quantum limits for sub-elliptic operators" in collaboration with the two investigators.

Main duties and responsibilities

	Responsible to the two investigators for:
1	Conducting collaborative research on the project and contributing to the development of research objectives.
2	Writing up results of research and contributing to the publication in high-quality peer-reviewed academic literature.

3	Project management: e.g. timetabling and meeting project milestones; participating in regular discussions with collaborative partners.
4	Disseminating results of research project via talks and lectures at seminars, conferences, workshops, summer schools etc.
5	Participating regularly in group meetings and prepare and deliver presentations to project team.
6	Learning new areas of mathematics and developing research objectives as required by the project.
7	Developing their own career by applying for grants and awards.
8	You may assist with the supervision of postgraduate students.
9	You will from time to time be required to undertake other duties of a similar nature as reasonably required by your line manager. You are required to follow all University policies and procedures at all times and take account of University guidance.

Person Specification

Criteria	Essential	Desirable
Qualifications		
A PhD degree in an area of mathematics of direct relevance for the project, or an equivalent professional qualification (and significant relevant experience where applicable).	√	
Experience/Knowledge		
Post doctoral experience		√
Demonstrated significant depth and breadth of specialist knowledge of subject matter to contribute to the project.	√	
Experience in the fields relevant for the project (relative to career stage).		√
Demonstrated awareness of developments in the field of research and in research design		√
Demonstrated potential to publish in high quality peer reviewed journals.	√	
Skills		
Ability to conduct individual research work and to disseminate results	√	
Ability to organise and prioritise own workload to meet required deadlines	√	
Ability to write research reports and to effectively disseminate outcomes	√	
Excellent oral, interpersonal and written communication skills	√	
Attributes		
Commitment to working within professional and ethical codes of conduct	√	
Innovation and developing creative solutions	√	
Commitment to excellence in research	√	
Enthusiasm and self-motivation	√	

Tenacity – working to achieve own and team objectives and to overcome obstacles	√	
Ability to be an effective team worker	√	
Willingness to participate in a project involving researchers from different areas of mathematics.	√	
Commitment to safe working practices	√	