JOB DESCRIPTION

Job Title:	Research Fellow 1	**Grade:**	AC1
Department:	School of Science	**Date of Job Evaluation:**	May 2021
Role reports to:	Head of School		
Direct Reports	None		
Indirect Reports: **Other Key contacts:**	None None		
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

The School of Science (www.gre.ac.uk/es/science) at the University of Greenwich is a large interdisciplinary School, covering biological sciences, biomedical sciences, food and nutrition, chemistry and pharmaceutical sciences, and forensic science. We have ambitious research and teaching plans as part of our new University Strategy "This is our time" to ensure that our students are fully prepared for future careers. Collegiality and interdisciplinary research and teaching are key features of the School.

Following the appointment of Professor Adrian Dobbs to the role of Head of the School of Science, a vacancy has arisen within the Dobbs research group for an experienced postdoctoral researcher. You should have a PhD and proven track record in synthetic organic chemistry. The successful appointment will be involved in a number of methodology and total synthesis projects within the Group (molecules JBIR-23 and JBIR-101), based around Lewis acid catalysed methods, innovative flow photochemistry and the development of anti-mesothelioma agents (www.gre.ac.uk/people/rep/faculty-of-engineering-and-science/adrian-dobbs). Further, there will be an opportunity to gain experience in running a research group and to undertake some undergraduate teaching, including lecturing, and project supervision. This is a temporary appointment for two years in the first instance. This is an exciting opportunity for a highly talented and motivated researcher who aspires to a future academic career.

The post will be based in the School of Science on the Medway campus.

The University of Greenwich is committed to promoting equality and diversity, and to providing an inclusive and supportive environment in which all individuals have the opportunity to contribute to their full potential. The University welcomes applicants from diverse backgrounds.

PURPOSE OF ROLE:

- To conduct high quality research on a number of projects and to help lead the Dobbs Research Group
- Applicants should have (or be about to obtain) a PhD in organic chemistry

- Experience in synthesis, organometallic chemistry, synthetic electrochemistry and photochemistry would be advantageous
- The appointee will be expected to give oral presentations on their work (internally and externally), help lead research group meetings, write reports and draft publications, and relevant communication skills are required
- In addition to their research, the appointee will be expected to take some responsibility for the supervision and training of postgraduate and undergraduate research students and the day-to-day running of the laboratory
- To give a limited number of undergraduate lectures and seminars
- Develop their own independent research activities and will be mentored to apply for external funding
- Engage in research and professional practice across the subject area and contribute to the research profile of the School and potentially to the REF submission

KEY ACCOUNTABILITIES:

Team Specific:

- Contribute to successful delivery of a number of total synthesis and methodology projects
- To assist in the supervision and training of PhD students and visitors to the Group
- To contribute to the dissemination of results by writing papers for publication and presenting (orally and/or poster) at national and international meeting
- Conduct all risk assessments needed

Generic:

- Assist the staff within Science in achieving the School's KPIs
- Contribute to School's plans, activities and efficient working practices
- Possibly participate in visits to schools, local community groups, public engagements and related activity
- Demonstrate a commitment to equality, diversity and inclusion through teaching practice and / or engagement with University initiatives
- Contribute to peer review and the School-based teaching development activities
- Promote your work and represent your discipline and the work of the University internally and externally, and take a proactive approach to ethical, good practice

Managing Self

- Good time management and ability to manage several projects simultaneously
- Keep abreast of developments within the field and seek continuous improvement of own professional practice
- Actively participate in established professional development framework activities
- Behave in a manner which reflects the University values and creates a positive environment for work and study

Core Requirements

- Adhere to and promote the University's policies on Equality and Diversity and Information Security
- Ensure compliance with Health & Safety regulations

- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible

Additional Requirements:
Any other duties commensurate with the post and grade as agreed with the Head of School.

KEY PERFORMANCE INDICATORS:
Performance Indicators will be established in consultation with the Head of School as part of the post-holder's annual Appraisal and Professional Development Review.

KEY RELATIONSHIPS (Internal & External):

Internal
Reporting to the Head of the School of Science
External
Professional scientific bodies, conference organisers and publishers across the academic community

PERSON SPECIFICATION	
Essential	**Desirable**
Experience • Breadth of knowledge and experience in synthetic organic chemistry • Variety of purification and characterisation techniques (HPLC, chiral separation, NMR, mass spectrometry)	**Experience** • Completion of complex natural product syntheses • Experience of synthetic electrochemistry and/or photochemistry • Delivery of UG classes (either laboratory classes, lectures or tutorials) • Creating professional/community partnerships • Postgraduate teaching & supervision • High quality publications • Initiating independent research funding bids
Skills • Synthetic chemistry laboratory techniques • Proactive approach/attitude • Well-developed organisational and time management skills • Written and oral communication skills • Commitment to the promotion of high standards and excellence • Able to use IT effectively	**Skills** • Appreciate the differing training requirements of students on different degree programmes and for postgraduate researchers
Qualifications • PhD in organic chemistry	**Qualifications** • Membership of appropriate professional body
Personal Attributes • We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity	**Personal attributes** • N/A