

JOB DESCRIPTION

Job Title:	Research Assistant	Grade:	AC1
Department:	Pharmaceutical, Chemical & Environmental Sciences	Date of Job Evaluation:	
Role reports to:	Associate Professor		
Direct Reports:	None		
Indirect Reports:	Head of Department		
Other Key contacts:	None		
<p>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.</p>			

PURPOSE OF ROLE:

- The Post-Doctoral Research Associate will join a research project where electrosynthesis and ultra-high-speed voltammetry will be used to generate and study unusual O and N-centred radicals. The project involves the synthesis of appropriate starting compounds, electrochemical characterisation of their redox behaviours and spectroscopic characterisation of their oxidation and reduction products
- The main focus of the role is to generate a large body of high quality quantitative experimental data on well-defined electrochemical systems
- Applicants should have (or be about to obtain) a PhD in chemistry
- Experience in some or all of organic synthesis, organometallic synthesis, physical organic chemistry and electrochemistry is required.
- The appointee will be expected to give oral presentations on their work, write internal reports and produce 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 post-graduate and undergraduate research students and the day-to-day running of the laboratory
- This position is initially for 12 months but with the opportunity to extend for a further 12 months, subject to satisfactory performance

KEY ACCOUNTABILITIES:

Team Specific:

- Work proactively on specific research topics aligned with the funded EPSRC project.
- Contribute to research leading to the publication and dissemination of original work
- Contribute to the research profile of the academic unit and, for suitably qualified candidates, to the REF submission of the Pharmaceutical and Medical Sciences Group
- Maintain effective, high quality and productive working relationships with professional bodies and employers

Generic:

- Assist the Chemistry Team in achieving the School's KPIs
- Contribute to School's plans, activities and efficient working practices
- 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 engagement with University initiatives
- 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

- Develop expertise in research with an increasing degree of autonomy
- 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 PVC and Head of School

KEY PERFORMANCE INDICATORS:

Performance Indicators will be established in consultation with the Head of Department as part of the post holder's annual Appraisal and Professional Development Review

KEY RELATIONSHIPS (Internal & External):**Internal**

Reporting to Dr Kevin Lam and to the Head of the School of Science

External

Professional scientific bodies and the chemistry academic community

PERSON SPECIFICATION	
Essential	Desirable
<p>Experience</p> <ul style="list-style-type: none"> • Minimum 3 years of Doctoral research experience. • Strong background in Organic synthesis • Spectroscopic characterisation (NMR, IR, etc.) <p>Skills</p> <ul style="list-style-type: none"> • Ability to work independently and with a diverse team • Ability to, under guidance, complete independent work successfully • Outstanding organisational, IT communication and interpersonal skills <p>Qualifications</p> <ul style="list-style-type: none"> • PhD in synthetic chemistry (or closely related) discipline. <p>Personal attributes</p> <ul style="list-style-type: none"> • We are looking for people who can help us deliver the <u>values</u> of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity 	<p>Experience</p> <ul style="list-style-type: none"> • Background in Organometallic chemistry • Background in Electrochemistry • Ability to teach across disciplines • High-quality publications • Initiating the development of Research bids <p>Skills</p> <ul style="list-style-type: none"> • Individual and collaborative income generation • Application for research funding and other bids <p>Qualifications</p> <ul style="list-style-type: none"> • Membership of Royal Society of Chemistry <p>Personal attributes</p> <ul style="list-style-type: none"> • N/A