



Job Description

Research Fellow in/on Computational Chemical Physics

Grade: 7

Department: Physics and Astronomy

Location: UCL Bloomsbury Campus

Reports to

Prof J Blumberger

Context

A part time post (20 hours per week) for 3-months

Research Fellow Position in Computational Chemical Physics

Main purpose of the job

- The main purpose of this role is to: carry out research
- This project is funded by ERC for 3 months in the first instance.

Duties and responsibilities

- To quantify electron transport properties of protein complexes formed of multi-heme proteins. This involves the calculation of heme reduction potentials and the electron flux through these structures.
- To contribute to the drafting and submitting of papers to peer reviewed journals.
- To prepare progress reports on research for funding bodies as required.
- To contribute to the preparation and drafting of research bids and proposals.
- To contribute to the overall activities of the research team and department as required.
- To undertake a limited amount of teaching in relation to subject area.
- To contribute to the induction and direction of other research staff and students as requested.
- Responsible for ensuring that equipment is safe and maintained in working order.
- As duties and responsibilities change, the job description will be reviewed and amended in consultation with the postholder.
- The postholder will carry out any other duties as are within the scope, spirit and purpose of the job as requested by their supervisor or the Head of Department.
- The postholder will actively follow UCL policies including Equal Opportunities and Race Equality policies
- The postholder will maintain an awareness and observation of Fire and Health & Safety Regulations.

Person Specification

Criteria	Essential or Desirable
Qualifications, experience and knowledge	
To have or be about to obtain a PhD in Computational Physics or Chemistry or related subject.	Essential
Experience of working collaboratively in a research environment	Essential
Skills and abilities	
Ability to analyse and write up data and to present complex information effectively to a range of audiences	Essential
Effective written and verbal communication skills	Essential
Personal attributes	
Commitment to high quality research	Essential
Commitment to UCL's policy of equal opportunity and the ability to work harmoniously with colleagues and students of all cultures and backgrounds	Essential