DPhil studentship in Organic Chemistry and Molecular Electronics

**Title:** Quantum Engineering of Energy-Efficient Molecular Materials (QMol)

**Supervisor:** Professor Harry L. Anderson

**Start date:** 1st October 2024

Applications are invited for a DPhil studentship in **Synthetic and Physical Organic Chemistry** available from October 2024, to work under the supervision of Prof. Harry Anderson in the Department of Chemistry at the University of Oxford.

The studentship will cover course fees at a Home rate and provide a stipend of no less than the standard UK Research Council rate (currently set at £18,622 p.a.) for 3 years. Please note the eligibility criteria set out by the UKRI at: [https://www.ukri.org/what-we-do/developing-people-and-skills/esrc/funding-for-postgraduate-training-and-development/eligibility-for-studentship-funding/](https://www.ukri.org/what-we-do/developing-people-and-skills/esrc/funding-for-postgraduate-training-and-development/eligibility-for-studentship-funding/)

The project focusses on the synthesis and investigation of switchable molecular wires based on porphyrins and other redox-active molecular component. It is part of a large collaborative project funded by EPSRC (QMol, 01/11/2023–31/10/2028) which aims to realise a new generation of switchable materials for flexible energy harvesting materials, low-power neuromorphic computing, smart textiles and self-powered patches for healthcare. More information can be found on the group website: [http://hla.chem.ox.ac.uk/](http://hla.chem.ox.ac.uk/).

Candidates with a first-class or strong upper second-class undergraduate degree in Chemistry are encouraged to apply. The candidate is expected to have a strong commitment to research, synthetic experience, and should have demonstrated the ability to independently learn new skills. The successful applicant will be based in the Chemistry Research Laboratory, Oxford.

Candidates should submit a formal application for DPhil in Chemistry via the Oxford online application system:

[https://www.ox.ac.uk/admissions/graduate/applying-to-oxford](https://www.ox.ac.uk/admissions/graduate/applying-to-oxford)

[https://www.ox.ac.uk/admissions/graduate/courses/dphil-chemistry](https://www.ox.ac.uk/admissions/graduate/courses/dphil-chemistry)

Please quote **HLA/Chem/2024** under ‘Departmental Studentship Applications’.

**Application deadline:** 12.00 noon UK time on Friday 19th January 2024

Queries relating to the application and admission process should be directed to: graduate.admissions@chem.ox.ac.uk; tel.: +44 (0) 1865 272569.

The Department of Chemistry holds the Athena SWAN Silver Award and the Anderson group is dedicated to promoting diversity, equality and inclusion.