

DPhil studentship in Synthetic Inorganic Chemistry

Start date: 1st October 2025

Zintl Clusters as catalysts to mediate organic transformations

Applications are invited for a **DPhil studentship** in **Synthetic Inorganic Chemistry** available from October 2025, to work under the supervision of **Professor Meera Mehta** 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 (set at £20,780 per annum for 2025/26 academic year) 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/>

Research in the Mehta group focusses on the synthesis of clusters featuring sustainable main group elements, including phosphorus, germanium, boron and aluminum, and finding applications for them in organic catalysis. Transformations of particular interest include those that convert common waste products or greenhouse gases into useful industrial feedstocks, such as the conversion of CO₂ to methanol. The group strives to break down some of the traditional barriers within chemistry, combining expertise in inert-atmosphere synthesis, organic catalysis, NMR spectroscopy, X-ray crystallography, and electrochemistry. More information can be found on the group website: <https://www.mehtalab.co.uk/>.

Candidates with a first-class or strong upper second-class undergraduate degree in Chemistry or a related subject 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/courses/dphil-chemistry>

Please quote **MM/Chem/2025** under 'Departmental Studentship Applications'.

Application deadline: **12.00 noon UK time on Friday 25th April 2025**

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 Mehta group is dedicated to promoting diversity, equality and inclusion.