

# Ph.D. Studentships Available

## 4-year Ph.D. Studentships

Research Group of Prof. Wolfgang Schmitt  
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## Light-Active Metal-Organic Frameworks for Oxidation Catalysis and Artificial Photosynthesis

This research project addresses the question of how light-active metal-organic frameworks (MOFs) can be prepared, characterized and exploited in heterogeneous catalysis. Catalytic studies will focus on important oxidations, i.e. of alkenes and alcohols. The studies further aim to explore photocatalytic water oxidation reactions and electron-transfer processes in MOFs to develop concepts for artificial photosynthesis. In addition, gas storage properties of MOFs will be investigated.

Please send completed applications (CV, statement of research interests and details of two referees) by e-mail to:

Prof. Wolfgang Schmitt, School of Chemistry and CRANN, Trinity College Dublin,  
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