PhD Studentship
Prof. Martin Wills

PhD project: Synthetic Organic and Organometallic Chemistry
Supervisor: Prof. Martin Wills
Deadline: 20th July 2017

Project Description
You will work in the group of Professor Martin Wills (http://www2.warwick.ac.uk/fac/sci/chemistry/research/wills/willsgroup/) at the University of Warwick in the development and applications of asymmetric organometallic complexes for catalysis and of organic reactions. Previous work in this area from the Wills group can be seen on this page: http://www2.warwick.ac.uk/fac/sci/chemistry/research/wills/willsgroup/publications/

You will synthesise and fully characterise a range of new ligands and complexes and characterise them using a range of techniques such as NMR, X-ray diffraction, mass spectrometry etc. The complexes will be applied to the asymmetric transformations of a range of substrates to give targets which will include pharmaceutically-relevant materials.

Requirements:
Applicants should have an honours degree (at least II.1 or equivalent) in chemistry and have a particular interest in organic and organometallic chemistry.

This studentship is only open to UK or EU Nationals (fees paid, plus stipend - currently £14,553 per annum). Funding is for 3.5 years starting 2nd October 2017 although the registration period will be for 4 years. The project is funded jointly by the Warwick Collaborative Postgraduate Research Studentship scheme and Company Golden Keys High-Tech Material Ltd. Company in China.

How to apply:
Informal enquiries, which should include a cv, should be made as soon as possible to Prof Martin Wills (m.wills@warwick.ac.uk).

Details on the formal application procedure can be found at http://www.go.warwick.ac.uk/pgapply

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