PhD Studentship
Professor Greg Challis

PhD project: Exploiting genomics and biosynthetic assembly line enzymology for discovery and optimisation of novel agrochemicals.

Supervisors: Professor Greg Challis.

Project description:
A fully-funded BBSRC studentship is available to carry out research for a PhD degree under the supervision of Professor Greg Challis for four years from 1 October 2013. You will work alongside two postdoctoral research fellows focused on exploiting the genome sequences of 30 Streptomyces bacteria for the discovery and optimisation of novel bioactive natural products, in particular with potential applications in crop protection. Close cooperation with scientists at the agrochemical company Syngenta and collaborating researchers at the Universities of Cambridge, Manchester and Bristol will be involved. The project will be highly interdisciplinary and will provide excellent training in a variety of skill and techniques, including analytical and synthetic chemistry, bioinformatics, enzymology and molecular genetics. The Challis group is a large, vibrant and multinational research team based in a £1M research facility that provides exceptional facilities for research at the interface of Chemistry and Biology. Further information about the group is available at http://www2.warwick.ac.uk/fac/sci/chemistry/research/challis/challisgroup/.

Requirements:
Applicants should have an honours degree (at least II.1 or equivalent) in chemistry, or other relevant discipline, and should be a UK citizen or have been a resident in the UK for three or more years.

How to apply:
Please direct informal enquiries and requests for further information to Professor Greg Challis (g.l.challis@warwick.ac.uk).
Details on the formal application procedure can be found at http://www.go.warwick.ac.uk/pgapply.