PhD Studentship

Dr Manuela Tosin

PhD project: Functional and structural characterization of glycosyltransferases involved in bacterial mannosylation

Supervisors: Dr Manuela Tosin

Deadline: 14th April 2017

Funding availability: UK/EU (Funded)

Project description:
A PhD studentship is available from October 2017 in the group led by Dr Manuela Tosin. The project will involve the comprehensive elucidation of the function and the structure of key bacterial glycosyltransferases involved in the mannosylation of proteins and small bioactive molecules. The project work will involve gene cloning, enzyme expression and purification, site-directed mutagenesis and the synthesis of substrates/inhibitors for enzyme functional and structural characterisation (via kinetic assays, X-ray crystallography and NMR).

For further project details please contact Dr Manuela Tosin (m.tosin@warwick.ac.uk).

For further details on our group, please see the Tosin group website: http://www2.warwick.ac.uk/fac/sci/chemistry/research/tosin

Requirements:
Applicants should have (or be about to receive) an honors degree (at least II.1 or equivalent and a Masters degree is preferred) in Chemistry or other relevant discipline, and should have experience with organic synthesis and organic compounds characterization. Some experience in enzymology, molecular biology or protein structural characterisation would be advantageous but are not essential. This studentship only provides funding for UK/EU students and funding is provided for 3.5 years.

How to apply:
Enquiries and informal applications should include a C.V. and be made as soon as possible to Dr Manuela Tosin (m.tosin@warwick.ac.uk).

Details on how to apply formally can be found at http://www.go.warwick.ac.uk/pgapply