PhD project: Analogues of lipid-linked intermediates I and II for studies of peptidoglycan biosynthesis enzymes

Supervisors: Professor Timothy Bugg (email: t.d.bugg@warwick.ac.uk)

Project description:
As part of a UK-Canadian Network in Bacterial Cell Wall Assembly, we will develop new methods to synthesise analogues of lipid intermediates I and II in bacterial peptidoglycan assembly. These will be used to assay translocase MraY, glycosyltransferase MurG, and the transglycosylase and D,D-transpeptidase reactions catalysed by the penicillin binding proteins (PBPs), in collaboration with academic groups in Canada.

Requirements:
This studentship is funded by MRC. Your first degree should preferably be in Chemistry, and experience of project work in biological chemistry would be beneficial. For further information please contact Prof. Tim Bugg (email T.D.Bugg@warwick.ac.uk).

How to apply:
Details are available at: http://www2.warwick.ac.uk/fac/sci/chemistry/gstudy/application/