PhD Studentship
Dr Manuela Tosin

PhD project: Chemical biology tools for the characterisation and the exploitation of biosynthetic pathways leading to novel antibiotics

Supervisors: Dr Manuela Tosin (Chemistry, Warwick), Dr Christophe Corre (School of Life Sciences, Warwick) and Prof Max Cryle (EMBL Monash)

Deadline: 12th January 2018

Funding availability: Competition Funded PhD Project (Warwick-Monash Joint PhD Scholarship)

Project description:
An outstanding PhD candidate is sought for a Warwick-Monash joint studentship (competitively awarded) from October 2018 in the groups of Dr Manuela Tosin (Warwick), Dr Christophe Corre (Warwick) and Prof Max Cryle (EMBL Monash). The project will focus on the development of chemical and biochemical approaches for the dissection and the exploitation of biosynthetic pathways leading to novel antibiotics.

For details about Warwick-Monash joint studentships please see:
https://warwick.ac.uk/services/academicoffice/gsp/scholarship/typesoffunding/monash

For representative publications on our work please see:

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

For further details on our group, please see the Corre group website:

http://warwick.ac.uk/christophecorre

Haslinger, Kristina; Peschke, Madeleine; Brieke, Clara; Maximowitsch, Egle; Cryle, Max J. X-domain of peptide synthetases recruits oxygenases crucial for glycopeptide biosynthesis, *Nature* 2015, 521, 105-109.

For further details on our group, please see the Cryle group website:

http://www.emblaustralia.org/research-leadership/vic-node-cryle-group

**Requirements:**

Applicants should have (or be about to receive) an honors degree (1st class degree or equivalent, a Masters degree is preferred) in chemistry or other relevant discipline, and should have experience in organic synthesis. Experience in enzymology and/or molecular biology would be desirable but is not essential. The joint Warwick-Monash studentship provides funding for 3 years (any nationality eligible).

**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