PhD Studentship

Professor Sébastien Perrier

PhD project: Peptide - polymer conjugates for drug delivery
Supervisor: Prof Sebastien Perrier
Funding availability: EPSRC / AstraZeneca
Deadline: 11th May 2018

Project description:
This project is a collaborative project between the University of Warwick and AstraZeneca to explore the use of peptide - polymer conjugates as drug delivery vectors. The project will focus on the synthesis and characterisation of the conjugates, the study of their self-assembly in physiological conditions and their bio-properties in vitro (toxicity, interactions with cells and investigation of the mechanism of cell uptake, etc) and in vivo (biodistribution, pharmacokinetics, etc). The project will range from organic / polymer synthesis to biologic al studies, and requires experience in at least one of these areas. It will be based in Prof Perrier’s laboratories in the Department of Chemistry and the Medical School at Warwick, with interactions with Prof Perrier’s team at the Monash Institute of Pharmaceutical Sciences (Monash University, Australia).

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 Perrier
(s.perrier@warwick.ac.uk)

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