



PhD in Interdisciplinary Biomedical Research

Fully funded studentship available for entry in September 2019

This industrial Collaborative Award in Science and Engineering (iCASE) studentship is offered by Warwick's MRC Funded Doctoral Training Partnership (DTP). The training program involves an exciting one-year MSc in Interdisciplinary Biomedical Research and then a three-year PhD project, co-supervised by experts from both academia and industry. The student will benefit from a comprehensive training program that offers advanced workshops, career planning, transferable skills training and cohort learning events and conferences with ~ 50 other PhD students.

PROJECT TITLE	UNIVERSITY OF WARWICK AND INDUSTRY SUPERVISORS
Development of purine-based novel analgesics	Prof. Bruno Frenguelli and Dr Mark Wall (University of Warwick) Prof. Dave Spanswick (NeuroSolutions Ltd)

Project summary:

Pain is a common condition that can be extremely debilitating for chronic sufferers. While a wide range of analgesics (compounds that provide pain relief) are available, not all analgesics are suitable for all types of pain and opioid analgesics can cause dependence. New analgesics are therefore needed. Adenosine is a neurotransmitter in the central and peripheral nervous systems that has analgesic properties. In collaboration with leading pain specialists at Neurosolutions Ltd and colleagues at the Universities of Bern (Switzerland) and Cambridge (UK) this project will explore novel compounds targeting adenosine receptors for their potential as new classes of analgesics.

Applicants should have an 1st or a 2:1 Honours degree or MSc in neuroscience or a related discipline, ideally with practical research experience.

MSC COURSE (YEAR ONE)	PHD PROJECT(YEARS TWO - FOUR)	STUDENTSHIPS AND ENTRY REQUIREMENTS	HOW TO APPLY
A one-year taught MSc in Interdisciplinary Biomedical Research , including taught modules (e.g. frontier techniques and research skills in biomedicine, principles and techniques in molecular biology, advanced microscopy and imaging, molecular modelling and physical biology of the cell) and two 11-week research projects .	A three-year PhD project. Students will be supervised jointly by a Warwick Principal Investigator and an industry partner, and will undertake a minimum of three months' placement with the industry partner .	Funding Studentships covering full fees, consumables and annual stipend of £17,499 * are available. See warwick.ac.uk/mrcdtp for full information. Entry Requirements A strong first degree (2i or above) or international equivalent in a relevant subject. Please see the website for further information about academic entry and residency requirements. * figure to be confirmed	If you are interested in joining our dynamic DTP community please apply at warwick.ac.uk/mrcdtp/theprogramme/icase by Thursday 14 February 2019. Interviews will take place on Monday 8 April 2019.