



School of Pharmacy PhD Projects 2015/16

Project Title Investigating mechanisms of chemokine regulation in the microenvironment

Supervisors Dr Roberta Burden, Prof Heping Xu and Prof Chris Scott

Description The interaction between extracellular factors (such as chemokines) and cells within the microenvironment is a critical event in the development of numerous diseases including cancer and organ fibrosis as well as normal biological processes such as ageing. The mechanisms behind the control of such factors are often poorly understood and this project aims to examine this in more depth. We are currently interested in examining a panel of extracellular factors that have been identified as being deregulated as a consequence of disease/ageing. This project will focus on investigating mechanisms behind this control using a range of techniques including in vitro cell based assays, the generation of stable shRNA expressing cell lines, confocal microscopy, primary cell culture and 3D culture models. The successful candidate will join a dynamic research groups within the School of Pharmacy and Centre for Experimental Medicine, with opportunities to develop a highly experienced repertoire of skills and engage with other research groups within both the university and with international collaborators.

Start Date October 2015

Keywords Chemokines, Microenvironment, Disease, Ageing

Contact Details

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How to Apply

Postgraduate applications should be made using Queen's Online:

<http://go.qub.ac.uk/pgapply>

Please note that there are two application processes: one for admission to the university and another for postgraduate awards.

Further Information

Additional information for prospective postgraduate students can be found on the School of Pharmacy website:

<http://www.qub.ac.uk/pha>

and the Queen's Postgraduate website:

<http://www.qub.ac.uk/home/ProspectiveStudents/PostgraduateStudents/>

