

**De Montfort University  
Graduate School Full Bursary PhD Scholarship**

**Understanding bacterial resistance and dissemination: the impact of biocides and preservatives**

**Infectious Disease Research Group  
School of Pharmacy, Faculty of Health and Life Sciences  
De Montfort University, Leicester**

**COMMENCING OCTOBER 2016**

A PhD research scholarship including stipend and tuition fee costs is offered within the Infectious Disease Research Group in the School of Pharmacy. It is available to UK or EU students who are suitably qualified and have outstanding potential as a researcher.

In offering this scholarship the University aims to further develop its proven research strengths in understanding bacterial resistance. It is an excellent opportunity for a candidate of exceptional promise to contribute to a stimulating, world-class research environment.

Human health is under threat from resistance to antibiotics and antimicrobials. The EU Scientific Committee on Emerging and Newly Identified Health Risks has highlighted biocides as a risk due to the selective pressure they apply potentially favouring the selection of bacteria which are less-susceptible and encouraging the expression and dissemination of mechanisms of resistance. A key gap in current knowledge is the interaction of low concentration of biocides with bacterial cells. This proposal will address this lack of current knowledge by improving understanding of the genetic mechanisms of resistance to biocides and their cross resistance to antibiotics.

For a more detailed description of the scholarship, the subject area at DMU and an application pack please visit <http://www.dmu.ac.uk/research/graduate-school/phd-scholarships.aspx>. Please direct academic queries to Susannah Walsh on +44 (0)116 250 6307 or email [swalsh@dmu.ac.uk](mailto:swalsh@dmu.ac.uk). For administrative queries contact Morgan Erdlenbruch at [Morgan.Erdlenbruch@dmu.ac.uk](mailto:Morgan.Erdlenbruch@dmu.ac.uk). Completed applications should be returned together with two supporting references and an academic transcript.

Applications are invited from UK or EU students with a Master's degree or good first degree (First, 2:1 or equivalent) in a relevant subject. Doctoral scholarships are available for up to three years full-time study starting October 2016 and provide a bursary of ca. £14,296 pa in addition to University tuition fees.

Please quote ref: DMU Research Scholarships 2016: HLS FB3.

**CLOSING DATE:** 25<sup>th</sup> May 2016. Interviews for shortlisted candidates will be held by mid-June.