

# PhD studentships at Queen Mary University of London

## Higher Education Commission of Pakistan and Queen Mary PhD Scholarships

Queen Mary University of London (QMUL) is one the UK's leading research-focused higher education institutions, where multidisciplinary research is carried out at the highest level. It is also a member of the prestigious Russell group of top UK universities.

QMUL and the Higher Education Commission (HEC) of Pakistan have created a scholarship programme to enable talented Pakistani students to undertake a PhD at QMUL:

[http://www.qmul.ac.uk/postgraduate/research/funding\\_phd/hec\\_pakistan/index.html](http://www.qmul.ac.uk/postgraduate/research/funding_phd/hec_pakistan/index.html)

**Profile of the Project Supervisor:** Dr. Devis Di Tommaso (<http://webspaces.qmul.ac.uk/dditommaso>) will supervise the candidate. The research group of Dr. Di Tommaso, a Royal Society Industry Fellow and Lecturer in Computational & Theoretical Chemistry, focuses on the development and application of computer modelling techniques to solve a wide range of problems in Physical and Materials Chemistry: crystal nucleation and growth, amorphous materials, computational geochemistry and catalysis.

Pakistani students interested in applying for a HEC scholarships to work with our group are welcome to contact Devis Di Tommaso ([d.ditommaso@qmul.ac.uk](mailto:d.ditommaso@qmul.ac.uk)), who will be pleased to discuss supporting such applications for areas related to research in the group.

The student will receive training in molecular modelling, including density functional theory, first principles and classical molecular dynamics, free energy methods, development and validation of forcefields. The student will be part of QMUL doctoral college and transferable skills such as reporting of results orally and in writing, time management, project planning will also be developed, with assistance of our dedicated staff at QMUL. Free English language courses are also available through the Queen Mary Language Centre. Work will be carried out in the Theoretical and Computational Chemistry Lab housed in the state-of-the-art Joseph Priestley building, where the student will be equipped with a high-performance workstation and given access to institutional and national supercomputing facilities.

**Eligibility:** Applications are invited from outstanding candidates of Pakistani nationality holding or expecting to gain a degree in Chemistry, Physics or Materials Science, and an interest in computational research. Experience in computational modelling is desirable but not essential. Contact Dr. Di Tommaso by email, along with a CV.

Short-listed candidates will be contacted by email to arrange for a video interview.

Email: [d.ditommaso@qmul.ac.uk](mailto:d.ditommaso@qmul.ac.uk)

Webpage: <http://webspaces.qmul.ac.uk/dditommaso>