



**QUEEN'S  
UNIVERSITY  
BELFAST**

**MANAGEMENT  
SCHOOL**

***PhD Scholarship: Using data analytics to maximise the benefits of adopting remote care technologies in the provision of care***

Applications are open for a DfE funded scholarship for a PhD researcher to contribute through their work to the ongoing project *Healthcare management implications of using remote care technologies in the provision of care* led by Dr Sara Melo at Queen's Management School - Queen's University Belfast. The successful candidate would join a multidisciplinary, collaborative team of researchers who are investigating the impact of using remote care technologies in the provision of healthcare and its implications towards the healthcare system of the future.

The successful candidate would contribute with the application of advanced data analytics techniques in order to understand the impact of using remote care technologies on healthcare services demand. They would engage with the following enquiries and activities:

- Conduct a review of existing research related to the use of predictive models to inform healthcare services demand;
- Conduct a review of data analytics methodologies and explore their application in healthcare settings;
- Use secondary data of the case studies included in the bigger project to develop predictive models to inform patients' healthcare demand;
- Develop recommendations for best practice in the development and application of predictive models to inform decision making within health systems.

The ideal candidate would have a minimum of a UK 2.1 Honours degree (or equivalent qualification acceptable to the University) in a relevant area to the project and hold or be in the process of completing a UK Master's Degree in data analytics, business analytics, or discipline closely related to the aims of the project, with a final result of 60% (or equivalent qualifications acceptable to the University) and would be keen to develop both scholarly and applied outputs from this industry relevant project. The following link provides further information on entry requirements, including English language requirements:

<https://www.qub.ac.uk/courses/postgraduate-research/management-phd.html#entry>

This project takes place within Queen's Management School located at Riddel Hall in Belfast, offering world-class research facilities. As a member of the prestigious Russell Group of research-intensive universities, Queen's University Belfast has an outstanding reputation and tradition for research excellence. The results of the 2014 Research Excellence Framework (REF) placed Queen's University eighth in the UK for research intensity. QMS is one of UK's leading Management Schools. The School has an excellent track record in research and one of the School's three research centres, CHaRMS - [Centre for Health Research at the Management School](#), is dedicated to research within the fields of health and human wellbeing. The successful candidate would join a growing cohort of PhD researchers working on interdisciplinary healthcare management projects at QMS, and would benefit from the excellent doctoral training programmes and research development support offered by QMS and by QUB Graduate School.

The post is open to start immediately, but no later than *11<sup>th</sup> January 2021*.

This project will be co-supervised by:

Dr Sara Melo, 1st supervisor, Senior Lecturer in Management, Programme Director MSc Management, Queen's Management School  
<https://pure.qub.ac.uk/en/persons/sara-melo>

Dr Byron Graham, 2nd supervisor, Lecturer (Ed) in Business Analytics, Programme Director MSc Business Analytics, Queen's Management School  
<https://pure.qub.ac.uk/en/persons/byron-graham>

To apply, please send a detailed CV and a short statement of interest (max. 1 A4 page) that connects your knowledge of advanced data analytics (including predictive analytics, statistics, and use of analytics software such as R or Python), interests, and future career aspirations with the proposed research project to: [s.melo@qub.ac.uk](mailto:s.melo@qub.ac.uk). The closing date for applications is 5pm on Monday, 2<sup>nd</sup> November 2020. Shortlisted applicants will be invited for an interview to be held remotely; anticipated interview date: Monday, 9<sup>th</sup> November or Wednesday, 11<sup>th</sup> November 2020. The University is committed to an Equal Opportunities Policy.

The award will support a UK or EU student (who meets DfE residency requirements) for three years, covering fees and (for those eligible) a stipend. The following link provides information on the eligibility requirements for DfE awards as well as information on the value of the award to the postgraduate research student: <https://www.nidirect.gov.uk/articles/department-economy-studentships%20>.

Please note that this award is open only to UK/EU students, and if an EU candidate is successful they will receive a fees-only award.