

Research Fellow  
Queen's University Belfast

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Posted Feb. 5, 2018, expired Mar. 6, 2018

**Job Title** Research Fellow  
**Department** School of Pharmacy  
<http://www.qub.ac.uk/jobs>  
**Institution** Queen's University Belfast  
Belfast, Antrim, United Kingdom

**Date Posted** Feb. 5, 2018

**Application Deadline** Mar. 6, 2018

**Position Start Date** Apr. 1, 2018

**Job Categories** Research Scientist/Associate  
Research Professor

**Academic Field(s)** Pharmacy - General  
Pharmaceutical Chemistry

**Job Website** [https://hrwebapp.qub.ac.uk/tlive\\_webrecruitment/wrd/run/ETREC107GF.open?VACANCY\\_ID=1](https://hrwebapp.qub.ac.uk/tlive_webrecruitment/wrd/run/ETREC107GF.open?VACANCY_ID=1)

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### Job Description

Queens University Belfast

Research Fellow

Ref: 18/106198

School of Pharmacy

A Biotechnology and Biological Sciences Research Council UK funded position is available until 30 April 2021, for a highly motivated, ambitious candidate with strong interest in development and application of structure-based drug design methods for membrane proteins to join the research group of Dr Irina Tikhonova at the School of Pharmacy.

The successful candidate will drive an exciting research programme and use various computational methods and techniques to understand binding of GPCR allosteric drugs and allosteric regulation. The project will involve molecular dynamics simulations and virtual screenings of GPCRs. Working in collaboration with the GPCR pharmacology lab of Dr Peter McCormick, Queen Mary University of London, and the William Harvey Research Institute, the project will test computational hypotheses via mutagenesis and compound screening using binding and functional assays.

The successful candidate will be a part of a dynamic and collaborative team and have access to personal development opportunities. The post is a senior role in the team and as such, successful applicants will have responsibilities in independent research, supervision, planning, day-to-day lab management, collaborations and outreach. The post is suited to an organised, productive and communicative individual, preferably with GPCR computer simulation experience.

The successful candidate must:

- Have a PhD in Computational Chemistry, Computational Biophysics, Molecular Modelling, Computer-Aided Drug Design or a closely related area.
- At least three years' recent research experience in computational chemistry or related field with proficiency in molecular simulation and molecular docking methods
- Strong background in structure-based ligand design methods.
- Proficiency in at least one standard scientific package, i.e. Schrodinger Small Molecule Drug Discovery suite, OpenEye or MOE.
- Proficiency in at least one MD simulation program, i.e. NAMD, Gromacs, Amber or ACEMD.
- Experience in molecular docking: Glide, Autodock, Dock and etc.
- Experience with high-performance computing.

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- Recent high-quality original research publications in reputable peer-reviewed journals, commensurate with career stage.

Further information about the School can be found at <http://go.qub.ac.uk/Pharmacy>

Informal enquires may be directed to Dr Eneko Larraneta Landa, email: [e.larraneta@qub.ac.uk](mailto:e.larraneta@qub.ac.uk) or telephone: +44 (0) 2890 97 2360.

Anticipated interview date: Tuesday 27 March 2018

Starting salary: £32,548 per annum

Closing date: Tuesday 6 March 2018

For full criteria and to apply online, visit [www.qub.ac.uk/jobs](http://www.qub.ac.uk/jobs). For further information or assistance contact Human Resources, Queen's University Belfast, BT7 1NN. Telephone (028) 9097 3044 or email on [HR@qub.ac.uk](mailto:HR@qub.ac.uk)

The University is committed to equality of opportunity and to selection on merit. It therefore welcomes applications from all sections of society and particularly welcomes applications from people with a disability

Fixed term contract posts are available for the stated period in the first instance but in particular circumstances may be renewed or made permanent subject to availability of funding

### **EEO/AA Policy**

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### **Contact Information**

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

**Contact** Dr Eneko Larraneta Landa  
School of Pharmacy  
Queen's University Belfast  
Queens University  
Belfast, Antrim BT7 1NN  
United Kingdom

**Contact E-mail** e.larraneta@qub.ac.uk