



The
University
Of
Sheffield.

Research Associate

University of Sheffield - Department of Physics and Astronomy, Faculty of Science

Location:	Sheffield	Placed On:	25th April 2019
Salary:	£31,302 to £35,211 per annum.	Closes:	25th May 2019
Hours:	Full Time	Job Ref:	UOS022437
Contract Type:	Fixed-Term/Contract		

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Contract Type: Fixed term for 33 months to start 1 July 2019 or as soon as possible thereafter.

Summary:

Applications are invited for a Research Associate to work in the Departments of Physics and Astronomy and Molecular Biology and Biotechnology. The project is part of a large cross-disciplinary programme on the physics of anti-microbial resistance and will use a combination of cutting edge experimental techniques (in Sheffield primarily atomic force microscopy, but working with colleagues in Cambridge on optical and microfluidic approaches), theoretical physics (based in Edinburgh), coupled with state-of-the-art microbiology and biochemistry (in Sheffield and Newcastle). This opportunity builds on long-standing collaborative research between Professor Simon Foster and Professor Jamie Hobbs. The post is fixed-term for a period of 33 months.

You will work as part of a team focused on biophysical aspects of the larger programme, in particular applying and developing a range of AFM approaches (high resolution imaging, force measurement, following dynamic processes), to understand how changes in cell wall organization govern changes in properties and how these impact anti-microbial resistance. You will provide the interdisciplinary skills and intellectual input to investigate bacterial ultrastructure, growth, mechanics and the action of antibiotics.

You will hold a PhD or be close to completion in an area of physics, biophysics or related discipline (or have equivalent experience) and proven track record of successful research in Biophysics. You will have experience in working with atomic force microscopy and will interact with and contribute to the supervision of junior members of the research team.

We are one of the best not-for-profit organisations to work for in the UK. The University's Total Reward Package includes a competitive salary, a generous Pension Scheme and annual leave entitlement, as well as access to a range of learning and development courses to support your personal and professional development.

We build teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching and student experience.

To find out what makes the University of Sheffield a remarkable place to work, watch this short film: www.youtube.com/watch?v=7LbILk18zmo, and follow @sheffielduni and @ShefUniJobs on Twitter for more information.

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Advert information

Type / Role:

Academic or Research

Subject Area(s):

Biological Sciences

Microbiology

Molecular Biology & Biophysics

Physical & Environmental Sciences

Physics & Astronomy

Location(s):

Northern England