Postdoctoral Research Fellow (Molecular Microbiology and Infection)

We are looking for a highly motivated individual with expertise in high-resolution imaging and ideally expertise in zebrafish infection models to join the group of Dr Anne-Marie Krachler (https://sites.google.com/site/krachlerlab/) at The University of Texas Health Science Center at Houston, McGovern Medical School, Department of Microbiology and Molecular Genetics (https://med.uth.edu/mmg/), as a postdoctoral research fellow.

The position is part of an exciting project which aims to explore how mechanosensing regulates virulence in enterhaemorrhagic E. coli (EHEC), and how this impacts colonization and infection in vivo, using zebrafish as a model host (see Proc Natl Acad Sci USA 112(7):5503).

Candidates must have a PhD in biology, biochemistry, or a related discipline and experience in high-resolution imaging. They should also have a strong interest in working on mechanistic questions related to bacteria-host interactions. Previous experience in zebrafish work, histology and/or tissue culture infection models would be highly desirable. Alternatively, we will consider individuals with a strong background in bacterial genetics and protein biochemistry. However, highly motivated individuals with different experience are also encouraged to apply and opportunities for cross-training exist.

Applicants will be expected to work closely with colleagues from different disciplines and to assist junior researchers in their work. Candidates should have excellent written and oral communication skills and be highly organized and able to prioritize their own work with minimal supervision. Our lab is a family-friendly work environment and we are happy to discuss flexible work arrangements.

To apply, please send a letter outlining how you could contribute to this project, a current CV and contact details for three potential referees to:

Dr. Anne-Marie Krachler  
Department of Microbiology and Molecular Genetics  
The University of Texas Health Science Center at Houston – McGovern Medical School  
Email: a.krachler@bham.ac.uk