

Postdoctoral Research Assistant

Grade 7 (£31,076 - £38,183)

Postdoctoral position to study the cell biology and drug interactions of the trypanosome trafficking system.

The Field laboratory, Wellcome Trust Centre for Anti-Infectives Research, School of Life Sciences, University of Dundee, Dow Street, Dundee, DD1 5EH, UK.

We are seeking a highly motivated postdoctoral researcher with appropriate skills in molecular and cell biology to join our group and our study of the dynamics of the cell surface of trypanosomes. Our major goal is to understand the structure, function and contributions of surface proteins and transport pathways towards antigenic variation, drug sensitivity and pathogenesis. The project is seeking to take studies in this area to the next level, considering the whole cellular context in response to drugs and trafficking, by the application of proteomics, genetic screens and super-resolution microscopy. The School of Life Sciences at Dundee offers exceptional facilities, including world class proteomics, imaging, computation, access to drug screening methodology together with combined expertise in trypanosome research that is excellent. See <http://bit.ly/fieldLAB> for details.

The successful applicant will pursue a program under the broad title "Dynamics of the cell surface of trypanosomes", involving predominantly molecular genetics, cell biology, proteomics, biochemistry and structural biology. You will be expected to work independently, to contribute to the teaching/training of other staff/Ph.D. students, to general laboratory duties and preparing and writing manuscripts for publication.

To apply you will have:

- An upper second or first class degree from a first rate UK University of equivalent,
- A recent Ph.D. in a relevant subject, preferably mammalian, yeast or trypanosome cell biology and/or molecular genetics,
- Experience and enthusiasm contributing to molecular cell biology projects,
- Some computer and data processing skills,
- Publications in peer-reviewed journals,
- Experience with cell culture,
- Ability to work independently and as part of a team,
- Excellent communication skills, both written and verbal.

This post is available for 5 years.

Appointment as a Postdoctoral Research Assistant on the Grade 7 salary scale is dependent upon you having been awarded a PhD. An appointment may be considered if you are shortly expected to be awarded a PhD. The initial appointment will be made as a Research Assistant on the Training Grade 7 salary scale (Spinal Point 28, £30,175).