



Further Information

*Research Associate – Computational Expert in Structural Biology or
Deep Sequencing – Influenza Research*
The Pathogen Evolution Group

Ref. PF00982

Limit of Tenure applies*

Grade 7

Salary range: £27,854 - £36,298 per annum

We invite applications from computational structural biologists or next generation sequencing data experts for a postdoctoral Research Associate position in the Department of Zoology. The project aims to understand the structural constraints on the antigenic evolution or enable the reliable detection of low-frequency variations in next generation sequencing data. The position, which is funded by a European Union FP7 Programme, is to start as soon as possible.

The successful candidate will have a PhD in computational structural biology, computational chemistry, bioinformatics, or a related subject. He/she will also have excellent quantitative skills.

Required experience / knowledge

- ✓ PhD in computational chemistry, bioinformatics, or other related field
- ✓ Experience of protein modelling and ligand docking techniques and associated theory *or* with data acquisition, processing and analysis of next generation sequencing data, in particular for viruses.
- ✓ Good level of oral and written communication skills with experience of oral presentations at conferences and good publication record
- ✓ The ability to organise time and work independently
- ✓ Full knowledge of a range of research methods within computational chemistry or structural biology The ability to develop new bioinformatics methods

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- ✓ The ability to work in a multi-disciplinary and collaborative environment
- ✓ The ability to engage in continuing professional development and keep relevant specialist knowledge up to date (by attending conferences and seminars, reading appropriate journals, etc).

Role purpose

The purpose of this position is to support and maintain the University's national and international reputation for excellence in teaching and research, and to further scientific knowledge. Specifically, the successful candidate will contribute to analysis and scientific understanding of pathogen evolution as a member of Professor Derek Smith's research group within the Department of Zoology.

The post holder will be expected to participate in the dissemination of research through publications and oral presentations both within the department and at conferences.

The person in the position will also be expected to advise, train and co-supervise PhD students and other junior or visiting postdoctoral researchers within the group, and to occasionally write reports for funding bodies and other supporting institutions.

How to apply

Applicants should send the following:

- A full CV.
- Publication list together with a covering letter
- A completed CHRIS 6 (Parts 1 and 3), available at:
<http://www.zoo.cam.ac.uk/zooone/administration/vacancy.html>

Please send these to the Departmental Administrator via email to: admin@zoo.cam.ac.uk

or by post to: The Departmental Administrator, Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ, UK

Please quote reference when applying: PF00982

Deadline: Monday 18 March at 12 noon. Interviews will be held as soon as possible thereafter.

The receipt of applications will not be acknowledged, unless this is explicitly requested. We will write to inform you only if you have been short-listed and invited for interview.

Informal email enquiries regarding both positions may be made to Prof. Derek Smith at am688@cam.ac.uk.

*The appointment will be for a period of up to two years starting as soon as possible.

The post is funded by a European Union FP7 programme.

The Department of Zoology

The Department of Zoology is a large, multi-disciplinary Department whose members conduct research and teaching in areas ranging from molecular biology to behavioural ecology. There are over 300 staff and graduate students in the Department; the academic staff group includes 17 Fellows of the Royal Society. The Department is located on the New Museums' site. We also have staff located at our Sub-Department at Madingley. The Department is centrally located on the junction of Downing Street and Corn Exchange Street. It is well placed for all of the Park and Ride bus routes, and is within a 15 minute walk from the railway station. The Department prides itself on the excellence of its research and teaching whilst at the same time providing a friendly working environment. See: <http://www.zoo.cam.ac.uk/> For more information about The Pathogen Evolution Group see: <http://www.antigenic-cartography.org/cam/>