



# UNIVERSITY OF OXFORD

Division of Medical Sciences

Sir William Dunn School of Pathology

## Postdoctoral Research Scientist in Molecular Biophysics (Fixed term)

Applications are invited for the above post, funded by a grant from the University Research Development Fund, and based in the Sir William Dunn School of Pathology, Oxford. The project is to work on the further biophysical characterisation of a novel amyloidogenic peptide derived from the C terminal domain of the human CNS form of the enzyme acetylcholinesterase. The project will involve a combination of biochemical, electrophysiological and biophysical techniques. The laboratory has established the basic physical characteristics of both oligomeric and fibrillar forms of assembled peptide; initial results have been published (Cottingham et al (2002) **Biochemistry** 41 13539-13547; Cottingham et al (2003) **Biochemistry** 42 10863-73; Cottingham et al (2004) *Lab Invest* 84 523-529). The laboratory has recently expanded to include facilities for black lipid membrane electrophysiology and X-ray fibre diffraction analysis.

Candidates should have a PhD in an area related to molecular biophysics and have had extensive experience of peptide biochemistry. Experience of CD spectroscopy and black lipid membrane electrophysiology would be an advantage, as would familiarity with fibre diffraction methods.

Salary will be within the range £19,460 - £29,128 p.a., depending on qualifications and experience. This post will be offered on a fixed-term contract for a period of one year; pending successful grant support, a longer-term appointment may be made.

Informal enquiries may be addressed to Dr David J Vaux, Sir William Dunn School of Pathology, South Parks Road, Oxford (Tel. +44(0) 1865 275544; e-mail: david.vaux@path.ox.ac.uk).

**Applications, together with a CV detailing previous employment, and the names and addresses of three referees, should be sent to the Administrator, Sir William Dunn School of Pathology, South Parks Road, Oxford OX1 3RE (fax: (01865) 275515, email: administration@path.ox.ac.uk), by 20th May 2005. Please quote reference DV/05/015.**

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