

Postdoctoral Position in NMR of Membrane Proteins
Department of Biochemistry
University of Oxford

A postdoctoral position is available from April 1, 2010 in the University of Oxford's Department of Biochemistry to study the structure, function, and small-molecule antagonism of ion channels that are of high medical relevance. The candidate will join the laboratory of Dr. Jason Schnell, and be responsible for the development and structural analysis of ion channel systems by high-resolution solution NMR. The main approach will be to use the tools of biophysics (e.g. NMR, fluorescence, and ultracentrifugation) and molecular biology in combination with functional assays (e.g. liposomal ion flux assays) to elucidate the molecular details of activity.

The University of Oxford provides abundant resources for the production and characterization of proteins, including access to NMR spectrometers operating at 500 to 950 MHz. The lab is located in a new building designed to promote collegiality and scientific collaborations:

<http://www.nature.com/nature/journal/v457/n7229/full/457541a.html>

Funding for the position is provided by the Medical Research Council for 1 year in the first instance, with the possibility for extension.

Please check the following website for qualifications and application instructions:

<http://www.bioch.ox.ac.uk/aspsite/index.asp?sectionid=vacancies>

For informal queries about the lab and research projects, please contact Jason Schnell by e-mail: jason.schnell@bioch.ox.ac.uk