

Quote Ref: LS/90405

THE UNIVERSITY OF MANCHESTER

FACULTY OF LIFE SCIENCES

PARTICULARS OF APPOINTMENT OF POST DOCTORAL RESEARCH ASSOCIATE

- The University invites applications for the above position which is tenable from 1 July 2009 for up to 29 months.
- Salary will be in the range of £28,839 - £35,469 per annum, depending on experience
- Applications should be returned by 9 April 2009 to:

Dr Deborah Bentley (Research Manager)
Faculty of Life Sciences
AV Hill Building
University of Manchester
Oxford Road
Manchester
M13 9PL

Email: deborah.bentley@manchester.ac.uk

- Please quote ref.LS/90405 on all correspondence.
- **A properly constituted application must include a completed University application form obtainable from <http://www.manchester.ac.uk/aboutus/jobs> or requested from lifesciences-hr@manchester.ac.uk, Tel: 0161 275 8836. You may attach a CV or additional sheets to provide further information if necessary**
- Staff currently employed by the University are advised that on appointment to this post the following terms and conditions will apply:
 - 1 August Incremental date / with a qualification period of 6 months in post (if appropriate)
 - up to 3 months notice

Unfortunately it is not possible for the University to acknowledge applications or contact all unsuccessful applicants. If you have not been contacted within 4 weeks of the closing date, you should assume that, on this occasion, your application has not been successful. We would, however, like to take this opportunity to thank you for your interest in the University of Manchester.

WITH THE COMPLIMENTS OF THE DIRECTOR OF HUMAN RESOURCES

Job Description

Job Title: Postdoctoral Research Associate in Affording Recovery in Stroke (“ARISE”)

Reports To: Professor Nancy Rothwell

Organisation Unit: Faculty of Life Sciences

Date: March 2009

Project Title

Affording Recovery in Stroke (“ARISE”)

Background

Professor Nancy Rothwell is one of 16 partners from across Europe involved in this EU Framework Programme 7 (FP7) consortium, called ARISE (Affording Recovery in Stroke). It comprises 10 inter-related projects or “work packages”, one of which is lead by Professor Rothwell.

Stroke poses a massive clinical, social and economic burden, yet there are very limited effective therapies. The objective of the research in ARISE is to provide the basis for improving the outcome of patients after stroke, by developing novel approaches to minimise the propagation of brain damage after stroke, and to repair such damage if it cannot be prevented.

Manchester’s contribution to ARISE will include:

- Investigating the role of inflammation in the incidence, progression and recovery from stroke.
- Assessing the effects of systemic inflammation on outcome from stroke, and studying ischaemic brain injury in more clinically relevant animal models of vascular co-morbidity (e.g. atherosclerosis) and advanced age.
- Identifying biomarkers of brain-immune interactions and susceptibility for infection after stroke.
- The pre-clinical evaluation of promising compounds (in collaboration with clinical colleagues) to take forward into clinical trials.

You will join a large, vibrant and well-funded research group, housed in brand new laboratories, in which the necessary techniques are well established. The University of Manchester and the Faculty of Life Sciences are amongst the leaders in research in the UK, as confirmed by the results of the recent UK Research Assessment Exercise.

Key Responsibilities, Accountabilities or Duties:

You will be involved in a number of projects outlined above, some contributing to work packages lead by other EU partners, and will take responsibility for all aspects of your experiments.

You will be expected to:

- Generate, analyse and interpret data and make a significant input to the scientific direction of the project
- Produce work of suitable quality for publication in peer-reviewed journals
- Actively read the scientific literature relating to (and around) the project
- Present research findings at local, national and international meetings
- Build and maintain good working relationships with our EU partners on ARISE
- Attend and contribute to ARISE Consortium meetings where appropriate
- Write-up and submit your work for publication in peer-reviewed journals
- Keep accurate records of your research methods and findings
- Take an active part in group meetings
- Assist in the supervision of PhD and undergraduate students when requested
- Perform routine laboratory tasks and duties in contributing to the general running of the laboratory

Essential Knowledge, Skills and Experience:

- PhD in a related subject (e.g. neuroscience/physiology/pharmacology)
- Experience in *in vivo* models of disease, ideally with surgical experience
- Strong interest in stroke research
- Ability to independently manage your own research on a day-to-day basis
- High motivation to advance the field of inflammation in stroke
- Strong interest in translational research
- Excellent interpersonal and communication skills and ability to work with colleagues at all levels
- Good organisational and time management skills
- Publication record in a relevant field
- Good written and spoken English
- Ability to contribute intellectually to the research project
- Ability to summarise and analyse data using appropriate statistical methods
- Ability to present data for presentation and publication
- Experience in writing up results for publication in peer-reviewed journals
- Ability to develop and refine techniques and experimental approaches
- Willingness to contribute to the work of others in the lab by offering practical and intellectual help

Desirable Knowledge, Skills and Experience:

- A research background in inflammation and/or cerebral ischaemia
- Experience in *in vivo* models of stroke
- Experience of working in a large, multidisciplinary laboratory
- Hold/have held a UK Home Office personal licence
- An interest in public engagement in science

Please note: The above particulars are intended as a general guide to the duties of the post and the conditions of the service. They do not constitute a contract of employment between the University and the person appointed. The successful applicant will, however, receive a full set of conditions of service on appointment