

**Faculty of Science**

**School of Pharmacy & Biomedical Sciences**

**SENIOR RESEARCH ASSOCIATE**

**18 months fixed term contract**

**10007093**

**Information for Candidates**

**THE POST**

Please see the attached job description and person specification.

**TERMS OF APPOINTMENT**

Salary is in the range from £27,578 to £26,779 and progress to the top of the scale is by annual increments payable on 1 September each year. Salary is paid into a bank or building society monthly in arrears.

Working hours are 37 per week and are usually worked between 8.30 am and 5.15 pm Monday to Thursday and between 8.30 am and 4.15 pm on Friday with one hour and ten minutes for lunch. As this post is research based, working hours will vary depending on the needs of the project so a flexible approach is required. Specific working hours will be agreed once an appointment has been made. Overtime is not normally payable but time off in lieu may be given.

Annual leave entitlement is 35 working days in a full leave year. The leave year commences on 1 August and staff starting and leaving during that period accrue leave on a pro-rata basis. In addition, the University is normally closed from Christmas Eve until New Years Day inclusive and there are a further five bank holidays.

The Appointee will be entitled to join the Local Government Pension Scheme. The scheme's provisions include a final salary based, index-linked pension with an option to exchange some pension for a lump sum on retirement together with dependants’ benefits. Contributions by the employee are subject to tax relief.

There is a probationary period of six months during which new staff are expected to demonstrate their suitability for the post.

There is a comprehensive sickness and maternity benefits scheme.

It is the University's policy to take up references for candidates called for interview and to ask successful candidates to submit documentary evidence of their qualifications on taking up their appointment.

If the position has a requirement for a Criminal Records Bureau Disclosure, this will be stated in the advert. The Criminal Records Bureau Application Form will be provided once the selection process has been completed.

All applications must be submitted by Midnight (GMT) on the closing date published.

**UNIVERSITY OF PORTSMOUTH – RECRUITMENT PAPERWORK**

1. **JOB DESCRIPTION**

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| --- | --- |
| **Job Title:** | Senior Research Associate |
| **Grade:** | 6 |
| **Faculty/Centre:** | Science |
| **Department/Service:**  **Location:** | School of Pharmacy and Biomedical Sciences |
| **Position Reference No:** | 10007093 |
| **Cost Centre:** | 17007 |
| **Responsible to:** | Dr Stephen Arkle |
| **Responsible for:** | Carrying out the research described in my Dunhill Trust grant |
| **Effective date of job description:** | September 2012 |

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| **Purpose of Job**: |
| To work on a Dunhill Medical Trust funded research project studying the effect of aminoglycosides on expression and function of CFTR in lung microvascular endothelial cells in culture. The post will involve using immunohistochemistry, ELISA, Western blotting, gene silencing, qRT-PCR and electrophysiological analysis using patch clamping. The post is for 18 months in the first instance, but where outstanding progress is made there may be an opportunity to extend this to 3 years. |

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| **Key Responsibilities:** |
| 1. Undertake laboratory based research in pharmacology, molecular biology, electrophysiology and immunohistochemistry using standard research techniques and methods. 2. Design, develop and carry out specific experimental work as outlined in the project proposal. 3. Plan day to day research in support of the project, keeping detailed written records of experimental data. 4. Supervise undergraduate and postgraduate students and researchers 5. Organise and operate equipment and facilities within the laboratory; including the ordering of chemicals and reagents. 6. Contribute to writing papers for peer review journals. 7. Carry out suitable statistical analysis and interpretation of experimental/research data. 8. Disseminate research achievements at National and International conferences. 9. Communicate and liaise with other members of the team ensuring effective working relations. 10. Comply with the University’s Health and Safety policy. 11. Perform such other duties as may be reasonably requested by the project supervisor. |

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| **Working Relationships** |
| 1. Responsible to the head of the group (Dr Janis Shute). 2. Networking with other researchers in the team (Professor Gorecki, Dr Lewis) and with research collaborators external to the university. 3. Liaising with research colleagues and support/technical staff on day-to-day issues. 4. Working with and sometimes supervising research students/assistants/associates operating in the same laboratory/department. |

1. **PERSON SPECIFICATION**

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| **No** | **Attributes** | **Rating** | **Source** |
| **1.** | **Specific Knowledge & Experience** |  |  |
|  | Research experience in cell culture techniques | E | AF, S |
|  | Research experience in immunohistochemistry | D | AF, S |
|  | Research experience in confocal microscopy | D | AF, S |
|  | Research experience in molecular biology | E | AF, S |
|  | Research experience in pharmacology | D | AF, S |
|  | Research experience in electrophysiology | D | AF, S |
|  | Research experience of collecting quantitative data | E | AF, S |
| **2.** | **Skills & Abilities** |  |  |
|  | Ability to work alone or part of a team, and to supervise PhD and undergraduate project students | E | AF, S |
|  | Ability to solve problems when they occur | E | AF, S |
|  | Ability to plan, organise and prioritise workloads | E | AF, S |
|  | Excellent communication and interpersonal skills | E | AF, S |
|  | Good report writing skills | E | AF, S |
|  | Good presentation skills | E | AF, S |
| **3.** | **Qualifications, Education & Training** |  |  |
|  | Recently awarded or about to submit a PhD in a biological or biomedical science related subject including but not limited to physiology, pharmacology or biochemistry | E | AF |
|  | Appropriate laboratory-based experience in cell culture and molecular biology | E | AF, S |
| **4.** | **Other Requirements** |  |  |
|  | Evidence of publications in peer reviewed journals | D | AF, S |
|  | Ability to work with minimum supervision | E | AF, S |
|  | Ability to work on own initiative and as part of a team | E | AF, S |
|  | Creative, highly motivated and committed to undertaking research | E | AF, S |
|  | Ability to work to tight deadlines | E | AF, S |

**Legend**

Rating of attribute: E = essential; D = desirable

Source of evidence: AF = Application Form; S = Selection Programme (including Test, Presentation, References)

**JOB HAZARD IDENTIFICATION FORM**

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| **Please tick box(s) if any of the below are likely to be encountered by the applicant.** | | | |
| International travel | 🗸 | Ionising radiation |  |
| Manual Handling |  | Asbestos, Lead |  |
| Human tissue/body fluids  EPP Worker (Exposure Prone Procedures) |  | Driving on University business Mini-bus, Van, bus, forklift truck |  |
| Genetically modified Organisms |  | Food Handling |  |
| Noise > 80 DbA |  | Substances to which COSHH applies | 🗸 |
| Skin irritants/sensitisors | 🗸 | Small print /colour coding (electrical) |  |
| Night Duty  between 2200 hrs and 0600 hrs |  | Working at heights / with drains / in confined spaces |  |
| Display Screen Equipment | 🗸 | Access to children |  |
| Repetitive tasks 🗸 | | Stress (workplace/workload demands, changes within dept etc) |  |
| Other (please specify) | | | |
| Please give details of any of the above as necessary: | | | |

**Line Manager/Supervisor to sign below:**

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| **Signed** |  |
| **Name (block capitals)** | Dr Janis Shute |
| **Date** | 26th September 2012 |
| **Extension number** | 2152 |