



Vac Ref: 1018

LIVERPOOL JOHN MOORES UNIVERSITY

Job Description

Title:	Faculty Senior Research Officer (Biomechanics and Brain & Behaviour)
Grade:	Grade 7
Salary:	£31,342 - £37,394
Hours:	Full-time
Reporting To:	Research Officer Manager
Location:	Faculty of Science, Tom Reilly Building, Byrom Street, Liverpool, L3 3AF
Role Summary:	Operational responsibility for the control and monitoring of designated research laboratories, including Health & Safety, audit, specialist technical support and equipment maintenance. Please refer to the post specific schedule for further particulars of the role.

Duties:

Laboratory Management

1. Ensuring all activities within the designated laboratories are risk assessed and fully compliant with the relevant Health and Safety policies and legislation.
2. Ensuring the laboratories are maintained in a safe, clean and functional state, including responsibility for organising the care, maintenance and servicing of equipment.
3. To be familiar with the specialised equipment and routine techniques within the laboratories. Supervise and train staff and students in their use. (See attached schedule for specifics).
4. The ordering of equipment and consumables where appropriate.
5. To co-ordinate and monitor the effective use of resources within the designated laboratories including, in consultation with the relevant School Director, space allocation to laboratory users.

Research

6. In consultation with the Research Officer Manager, contribute to strategic research objectives by supporting and collaborating with designated research staff. Any substantial contribution to university research work will be recognised via acknowledgement or co-authorship as per standard university research procedures.

7. A commitment to professional standards through continuous professional development and evaluation of practice.

Teaching

8. In consultation with the Research Officer Manager, contribute up to a maximum of 20% of total hours to the specialist delivery of practical and tutorial components of undergraduate and postgraduate programmes.
9. Contribute to the development of research informed teaching by training academic and technical staff in specialised equipment and techniques.

Other Duties

10. Line management of technical support staff where appropriate.
11. Ensuring that all laboratories comply with 'Well-Found Laboratory' principles, Health & Safety and other regulatory acts and legislation e.g. Human Tissue at Work Act as appropriate to the research area.
12. To provide support for research, consultancy, enterprise and public engagement.
13. Any other duties commensurate with the grade as deemed necessary by the Faculty's Head of Operations.
14. A commitment to LJMU's values and regulations, including the Equal Opportunities, Health & Safety, Data Protection and Anti-Fraud Policies.
15. Liverpool John moores University recognises and is aware of its Social, Economic and Environmental responsibilities, the post holder is required to minimise environmental impact in the performance of the role and actively contribute to the delivery of LJMU's environmental Policy.
16. The post holder's mandatory Health & Safety responsibilities, which have been agreed by the University's Strategic Management Team, are contained in Section 2 of the University's Safety Management Code of Practice MCP1 Organisation for the Implementation of the Health and Safety Policy. Please refer to: <http://www.ljmu.ac.uk/HSU/65143.htm>.

Faculty of Science Senior Research Officer: Biomechanics and Brain & Behaviour

Post Specific Role and Skills Specification

Location: Tom Reilly Building (Byrom Street)

Specialist Role: To support research agendas and activities of the Biomechanics and Brain & Behaviour research groups.

Laboratories assigned: Movement Function Research Laboratories

Specialist Areas:

1. Biomechanics
2. Motor control
3. Development of computer programmes for advanced level data collection and analysis

Specialist Equipment (this is not an exhaustive list but gives an indication of the type of scientific equipment the post holder must be able to support):

1. CAREN (virtual reality with moving support)
2. Instrumented Staircase
3. Optoelectronic motion analysis
4. Force Platforms
5. Video analysis
6. Electromyography
7. Oculography

Role Specific Skills Specification (for the generic skills also required for the post of Senior Research Officer please refer to page 4).

Essential Factors	Minimum Requirement	Evidence
Aptitude	<ul style="list-style-type: none"> • Ability and willingness to learn new technologies in the field of Biomechanics and motor control. • Ability to translate own learning of technologies in these fields to others. • Strong programming skills (e.g. C++, MATLAB, Visual Basic, Delphi, Open GL) • Ability to integrate hardware and software systems. 	<p>AF; Interview</p> <p>AF; Interview</p> <p>AF; Interview; Qualifications</p> <p>AF; Interview</p>
Attainment	<ul style="list-style-type: none"> • Experience with a range of movement analysis measurement techniques (e.g. optoelectronic motion analysis, force platform, video analysis, electromyography, oculography). • Knowledge of real time applications. • Engaged in project work in the broad area of control of posture and gait. 	<p>AF; Interview</p> <p>AF; Interview</p> <p>AF; Interview</p>

**Person Specification
Senior Research Officer**

Introduction

The person specification describes the skills, experience, knowledge and aptitude required to perform the duties of this post effectively. The order of the criteria should not be taken to imply their relative importance. Paid and unpaid experience may both be relevant.

In addition to this specification, all Faculty Research Officers will be assigned specific laboratories and areas of expertise, which are detailed on separate schedules. Each job description and person specification will include an attachment detailing these specific responsibilities.

Generic Skills Specification for post of Senior Research Officer (for role specific particulars and essential criteria please refer to page 3)

Essential Factors	Minimum Requirement	Evidence
Aptitudes	<ul style="list-style-type: none"> • Good interpersonal skills • Highly numerate • IT literate • Good negotiation skills • Excellent communication skills • Ability to work under pressure 	AF; Interview AF; Interview AF; Interview AF; Interview AF; Interview AF; Interview
Attainments	<ul style="list-style-type: none"> • Good honours degree in relevant discipline (e.g. computer science, engineering, physics, sports science, science) • PhD in a relevant subject area • Up to date qualifications/training and a working knowledge in Health and Safety legislation and its implementation 	Certificate Certificate AF; Interview
Circumstances	<ul style="list-style-type: none"> • Flexible 	AF; Interview
Disposition	<ul style="list-style-type: none"> • Decisive • Shows initiative • Innovative 	AF; Interview AF; Interview AF; Interview
Interests	<ul style="list-style-type: none"> • Teaching and training people 	AF; Interview

Desirable Factors	Minimum Requirement	Evidence
Aptitudes	<ul style="list-style-type: none"> • Ability to manage staff 	AF; Interview
Disposition	<ul style="list-style-type: none"> • Can communicate at all levels 	AF; Interview
Attainment	<ul style="list-style-type: none"> • Experienced in managing staff 	AF; Interview