

Research Assistant

Department	Biomedical Engineering (www.strath.ac.uk/engineering/biomedicalengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Research	Reference No	508182
Reports To	Senior Lecturer (Dr Andy Kerr)	Grade:	6
Salary Range:	£29,619 - £33,314	Contract Type:	Fixed Term (18 months)
FTE:	1.0 (35 hours/week)	Closing Date	Friday, 10 March 2023

Job Advert

An exciting opportunity has arisen for a research assistant at the University of Strathclyde for a fixed term of 18 months, for a project commencing on 01 May 2023. The project is funded by Innovate UK and is a collaboration between Strathclyde and two industrial partners; Spirit Digital and Waire Health with the aim of developing a novel method for remote assessment of exercise capacity using a digital health platform and a wearable medical device. The post will be based in the Co-creation Centre for Rehabilitation Technology (Biomedical Engineering, University of Strathclyde). The project will have two phases; 1) testing exercise capacity of healthy and pathological populations using a standardised protocol and novel sensing technology, 2) testing the usability of a digital health platform in a group of people in need of pulmonary rehabilitation.

As a Research Assistant, you will assist in the delivery of the research activities as part of a team, working under the general supervision of senior colleagues. You will conduct literature reviews, develop questionnaires, conduct surveys, collect and collate data, and undertake and record the outcomes of experiments. You will manage and prioritise your own workload and ensure that all activities are completed to deadlines and you will write up the results of your own research and contribute to the production of research reports and publications. You will input as a team member to administrative activities and assist, where required, with relevant teaching and knowledge exchange activities.

To be considered for the role, you will be educated to a minimum of Degree level in either physiotherapy, exercise science, sport science or related subjects. You will have sufficient breadth or depth of knowledge in exercise testing and prescription and familiarity working with patient groups. You will have knowledge of appropriate research methods, have an ability to plan and prioritise your own workload, with general supervision, and you will have an ability to work within a team environment. You will have excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

Whilst not essential for the role, applications are welcomed from candidates with: a higher Degree in a relevant discipline, some relevant work experience, membership/working towards membership of a relevant Chartered/professional body (including the Higher Education Academy), experience of relevant student supervision and teaching activities and experience of knowledge exchange related activities.

Job Description

Brief Outline of Job:

To assist in the delivery of research activities as part of a team, working on an established research programme/s under the general supervision of senior colleagues; to input as a team member to administrative activities; to assist where required with relevant teaching and knowledge exchange activities.

The successful applicant would carry out exercise capacity testing with healthy and pathological (pulmonary) populations using a standardised protocol and novel sensing technology and also test the usability of a digital health platform in a group of people in need of pulmonary rehabilitation.

You would work in a dynamic multi-disciplinary team of scientists, therapists and engineers focussed on developing the rehabilitation technology of the future, technology that enables all individuals to access the rehabilitation that they need to recover optimally. The post would be located in the Centre for Co-Creation of Rehabilitation Technology in the Biomedical Engineering dept., University of Strathclyde, Glasgow.

Main Activities/Responsibilities:

1.	Assist the delivery of research projects by, for example, conducting literature reviews, developing questionnaires and conducting surveys, collecting and collating data and undertaking and recording the outcomes of experiments.
2.	Manage and prioritise own workload within agreed objectives to ensure that all activities are completed to deadlines.
3.	Write up results of own research and contribute to the production of research reports and publications.
4.	Contribute to the planning of research programmes.
5.	Assist with professional and knowledge exchange activities as required.
6.	Assist with the supervision of student projects and the delivery of introductory classes as required.
7.	Input as a team member to Department/School, Faculty and/or University administrative activities.
8.	Engage in continuous professional development.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree in an appropriate discipline i.e. Physiotherapy, Sports Science, Exercise Science, Exercise and Sports Science, Exercise Physiology

D1 Higher degree (or equivalent professional experience) in an appropriate discipline.

D2 Membership/working towards membership of relevant Chartered/professional bodies (including Higher Education Academy), such as CSP or BASES

Experience

E2 Sufficient breadth or depth of knowledge in the relevant discipline/s to effectively contribute to the research programme/s.

D3 Some relevant work experience.

D4 Experience of relevant student supervision and teaching activities.

Job Related Skills and Achievements

E3 Knowledge of appropriate research methods.

E4 Ability to plan and organise own workload effectively with general supervision from senior colleagues.

E5 Ability to work within a team environment.

D5 Experience of knowledge exchange related activities.

Personal Attributes

E6 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences. Should also be used to working with patient groups, or willing to gain this experience.

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job as well as a

Research Plan outlining your research strategy for the next 5 years. Applicants should also complete the Equal Opportunities Monitoring Form.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Dr Andy Kerr, Senior Lecturer (a.kerr@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Research staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

PVG Check

This position involves regulated work, making it a legislative requirement that the successful candidate becomes a member of the Protection of Vulnerable Groups Scheme. If appointed, the successful applicant will be asked to join this scheme and will be precluded from working with protected groups until that time.

Probation

Where applicable, the successful applicant will be required to serve a 9 month probationary period.

Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

