



Candidate Information

Position:	Research Fellow - Neurohabilitation
School/Department:	School of Psychology
Reference:	24/112231
Closing Date:	Monday 4 November 2024
Salary:	£39,922 (AC2, sp 30) per annum
Anticipated Interview Date:	Monday 16 December 2024
Duration:	Fixed Term - Full Time; available for up to 8 months

JOB PURPOSE:

To be a highly productive, ambitious and collaborative member of the QUB School of Psychology Neuroscience research project/team assisting in the development of research proposals and the planning and delivery of the research activity specifically on the topic of neurorehabilitation.

The post is a critical role, and as such, successful applicants will have responsibilities in independent research, supervision, planning, day to day lab management, collaborations, and outreach.

MAJOR DUTIES:

1. Undertake research under supervision within a research project funded by the Health Research Board and Northern Ireland Chest Heart and Stroke, on developing new methods for neurorehabilitation.
2. Design, develop and refine research using a range of experimental models.
3. Carry out analyses, critical evaluations, and interpretations of experimental data and the literature using methodologies and other techniques appropriate to area of research for example, Transcranial Magnetic Stimulation (TMS), Electromyography (EMG), Electroencephalography (EEG), and combining these methodologies.
4. Produce high quality research outputs consistent with project aims and commensurate with career stage. This will include collaborating and co-authoring with PI and project team (as appropriate) on outputs.
5. In consultation with the project team, promote research milestones and outputs at national and international conferences and through social media.
6. Assist grant holder in the preparation of funding proposals and applications to external bodies.
7. Carry out occasional educational support, supervision and demonstrating duties within the post holder's area of expertise and under the direct guidance of a member of academic staff.
8. Undertake supplementary duties relevant to the success of the project including administrative duties and additional training and development activities as required.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a PhD in Human Neuroscience.
2. Experience using relevant techniques for measuring the human motor system (eg. TMS, EEG, EMG).
3. Recent relevant research experience to include:
 - Undertaking research in Human Motor Neuroscience
 - A proven track record of using Matlab and/or Python for analysis of EEG and / or TMS data, critical evaluations, and interpretations of experimental data relevant to the research project
 - Working effectively as part of a research team in the development and promotion of the research theme.
4. Strong publication record commensurate with stage of career.
5. Ability to contribute to broader management and administrative processes.
6. Contribute to the School's outreach programme by links with industry, community groups, etc.
7. Demonstrate practical problem solving skills, independence of thought and initiative.
8. Ability to communicate complex information effectively in oral and written format.

9. Ability to build relationships/ to develop internal and external networks.
10. Ability to assess and organise resources.

DESIRABLE CRITERIA:

1. Experience with combined TMS-EEG methodology.
2. Experience with EEG.
3. Neurofeedback or/and TMS-Neurofeedback.
4. Experience of translating research findings into educational materials.

ADDITIONAL INFORMATION:

Informal enquiries may be directed to Olia Akhmetova at o.akhmetova@qub.ac.uk