



**PhD Studentship-** Investigating how fatigue effects movement quality.

**Applicant Pack**

# University of Wolverhampton

## PhD Studentship

We are offering a fully funded bursary opportunity (£18,662 + fee waiver) for applicants interested in studying a PhD at the University of Wolverhampton.

**Closing Date: 8<sup>th</sup> March 2024**

**Interview Date: 27<sup>th</sup> March 2024**

## Bursary Role Descriptor

Funding is available to support a full time fully funded (£18,662 + fee waiver) PhD, over a three-year period from July 2024 (or as soon afterwards as possible).

## Project: Investigating how fatigue effects movement quality in dance and sport

Fatigue has been cited as one of the main causes of musculoskeletal injury within a wide range of healthy and diseased populations. It was shown that both short and intensive and low-intensity prolonged whole-body exercise increases postural sway by altering sensory receptors and motor outputs for postural function. Fatigue has been cited as the main cause of injury in both dance and sport and a number of studies have looked at the biomechanical changes fatigue has on specific movements. The biomechanical changes due to fatigue during a series of high skill movements, particularly in dance, has not yet be examined.

The purpose of this PhD studentship is to examine how fatigue effects movement quality and possible interventions to reduce skill variability.

Applications are invited from ambitious, self-motivated, and enthusiastic candidates to work on a fully funded PhD studentship. Funding and stipend are provided by The University of Wolverhampton.

It is anticipated this research will draw on a range of methodologies within sports physiology and biomechanics applied settings. The precise research question(s) and methodologies adopted will be negotiated with the successful applicant.

## Bursary

The studentship is for three years and is intended to start in July 2024. The studentship provides a tax-free stipend of £18,662 per year plus the tuition fees at the UK/EU rate. Due to funding restrictions, this studentship is only open to UK/EU applicants.

## Person Specification

	ATTRIBUTE	ESSENTIAL	DESIRABLE
1.	<b>Academic Qualifications</b>	1.1 A masters-level qualification in Sport & Exercise Science or related area [cv]	
2.	<b>Professional Qualifications</b>		A current first aid or basic support qualifications from a recognised organisation
3.	<b>General Skills/ Experience</b>	3.1 Good IT skills, including data analysis skills (cv)	
		3.2 Good communication and interpersonal skills, written and oral (cv and interview)	3.3 Personal initiative, reliability, attention to detail (cv and interview)
4.	<b>Specific Skills/ Experience</b>	4.1 Experience using Qualysis, MatLab/R (cv and interview)	4.5 Evidence of managing research projects [cv, interview]
		4.2 A minimum of 2 years' experience of working in an environment with dancers (cv, interview)	4.6 Knowledge of sport
		4.3 Good understanding of qualitative and quantitative research methods and designs [cv, interview]	4.7 Knowledge of monitoring performance using various physiological and biomechanical methods. (cv)
		4.4 Understanding of how neuro-physiology applies to movement (Interview)	
6.	<b>Specific Qualities related to particular position</b>	6.1 Experience of analysing qualitative and quantitative data (cv and interview)	6.4 Able to handle multiple simultaneous demands and activities (cv)
		6.2 Ability to work as part of a multi-disciplinary team (cv)	
		6.3 Ability to work independently and set realistic but attainable goals (cv, interview)	
7.	<b>Other</b>	7.1 Commitment to the University's policy framework on diversity and the University's and GB judo's policies on health and safety [cv, interview]	
		7.2 The studentship will involve times to suit data collection which could include some evenings, weekends and bank holidays.	

This bursary involves training, supervising, working with and/or being in sole charge of children and young people. The successful applicant will therefore be required to apply for a disclosure from the Disclosure and Barring Service (DBS). A disclosure is an impartial and confidential document that details an individual's criminal record and where appropriate gives details of those who are banned

from working with children. Having a criminal record will not necessarily be a bar to obtaining a position.

## How do I Apply?

For an informal discussion about this opportunity please email Professor Matthew Wyon [m.wyon@wlv.ac.uk](mailto:m.wyon@wlv.ac.uk)

Applicants should email a CV and covering letter detailing their suitability for the project and contact details of two referees to [m.wyon@wlv.ac.uk](mailto:m.wyon@wlv.ac.uk). Please clearly indicate the reference “PhD Fatigue” in the title of the email and on your cover letter