POSITION DESCRIPTION

Position Title: Postdoctoral Research Fellow
Organisation Unit: School of Human Movement and Nutrition Sciences
Position Number: TBA
Type of Employment: Fixed-Term, Full-Time
Classification: Research Academic Level A

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (40), the US News Best Global Universities Rankings (42), QS World University Rankings (47), Academic Ranking of World Universities (54), and the Times Higher Education World University Rankings (66). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 53,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 17,000 international students from 135 countries, adding to its proud 260,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $2.15 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and
biomedical sciences, sustainable minerals, bioengineering and nanotechnology, as well as social science research.

UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11billion+.

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

**Faculty of Health and Behavioural Sciences**

The Faculty of Health and Behavioural Sciences is a world-class Faculty that has a coherent focus on health, well-being and behaviour change, underpinned by a strong commitment to interprofessional education and interdisciplinary research.

The Faculty presently consists of:

- School of Dentistry
- School of Health and Rehabilitation Sciences
- School of Human Movement and Nutrition Sciences
- School of Nursing, Midwifery and Social Work
- School of Pharmacy
- School of Psychology
- Centre for Youth Substance Abuse Research (CYSAR)
- RECOVER Injury Research Centre
- Queensland Alliance for Environmental Health Sciences (QAEHS)
- Centre for the Business and Economics of Health
- POCHE Centre for Indigenous Health
- Southern Queensland Rural Health (SQRH)

More information about the Faculty is available at habs.uq.edu.au.

**The School of Human Movement and Nutrition Sciences (HMNS)**

The School of Human Movement and Nutrition Sciences’ vision is an international leader in the study of human movement and nutrition, demonstrating excellence through innovative, creative, and dynamic teaching and research, in a vibrant, interdisciplinary, and engaging environment. The School is consistently ranked in the World’s Top 5 and holds a leadership position in its field in the Australian tertiary environment. It is highly regarded for its teaching, research and community outreach programs. The current staff profile shows 47 FTE academic staff, 11 FTE research staff and 21 professional staff. There are approximately 100 enrolled research higher degree students, and the total EFTSL of all enrolled students at undergraduate and postgraduate levels is approximately 1050.

The School of Human Movement and Nutrition Sciences operates through a committee structure with delegated responsibilities and regular meeting times. The School Executive Committee has as its function to provide advice to the Head of School on matters related to strategic planning and resource allocation (including overall budgeting, resource allocation for equipment & facilities, and workload profiling & duties allocations). Membership consists of the Head of School, professorial staff, School Manager and the directors of the major School committees: Teaching & Learning Committee and Research Committee and the Engagement Committee. Other committees which meet less frequently include the Information Workplace Health and Safety Committee and Equity Committee.
The School offers four (4) undergraduate degrees: the Bachelor of Exercise and Sport Sciences (Hons), Bachelor of Clinical Exercise Physiology (Hons), Bachelor of Health, Sport and Physical Education (Hons) and a Bachelor of Exercise and Nutrition Sciences with a “provisional pathway degree” from the Bachelor of Exercise and Nutrition Sciences to the Master of Dietetics Studies. The School also contributes into the Bachelor of Arts (Sports Studies) and the Bachelor of Health Sciences. The School offers a wide suite of postgraduate coursework programs in the areas of Clinical Exercise Physiology, Dietetics, Sports Coaching, Sports Medicine, and Sport and Exercise Psychology.

The School currently has four established research centres:
- Centre for Research on Exercise, Physical Activity and Health
- Centre for Sensorimotor Performance
- Centre for Sport and Society
- Centre for Dietetics Research.

The School encourages staff to work across research centres, to facilitate cross-fertilisation of theories and methods, and to form close affiliations with colleagues and projects within the faculty and across the University. The School’s operations include over $23 million in operating funding and $2.5 million in research grants and service income.

Information about the the School may be accessed on the School’s web site at [http://www.hmns.uq.edu.au](http://www.hmns.uq.edu.au).

**Information for Prospective Staff**

Information about life at UQ including staff benefits, relocation and UQ campuses is [available online](http://www.hmns.uq.edu.au).

The University of Queensland [Enterprise Agreement](http://www.hmns.uq.edu.au) outlines the position classification standards for Levels A to E.

**DUTY STATEMENT**

**Primary Purpose of Position**

A Postdoctoral Research Fellow will focus their efforts on developing their expertise and emerging research profile in their discipline. At this level, it is expected that the incumbent will contribute to service and engagement roles and activities.

As a Level A Research Focused Academic, the incumbent will be supported and guided by more senior academic research staff with the expectation of an increasing degree of autonomy over time.

**Duties**

Duties and responsibilities include, but are not limited to:

**Research**

- Undertake research projects aligned with the goals of an Australian Research Council Discovery Grant examining the structural and neural factors that lead to areas of high stress in human muscles
- Develop a coherent research program and an emerging research profile.
• Work with colleagues and postgraduates in the development of joint research projects related to human muscle function and more broadly sensorimotor performance.

• Participate in applications for competitive research funding support.

• Publish or exhibit in high quality outlets (often in collaboration with colleagues).

• Prepare research publications and progress reports and participate in regular meetings to discuss project objectives, methodology and outcomes.

**Teaching and Learning**

• Assist in the supervision of Honours students and Higher Degree by Research students (as appropriate).

• Participate in undergraduate teaching where compatible with the research program

**Service and Engagement**

• Begin to develop external links by cultivating relationships with industry, government departments, professional bodies and the wider community.

• Contribute to internal service roles and processes, including participation in decision-making and service on relevant committees.

• Perform a range of administrative functions as required.

• Any other duties as reasonably directed by your supervisor.

**Other**

• Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:
  
  o The [University’s Code of Conduct](#).
  
  o Requirements of the Queensland occupational health and safety (OH&S) legislation and related [OH&S responsibilities and procedures](#) developed by the University or Institute/School.

  o The adoption of sustainable practices in all work activities and compliance with associated legislation and related University [sustainability responsibilities and procedures](#).

  o Requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related [responsibilities and procedures](#) developed by the University.

**Organisational Relationships**

The position reports to Associate Professor Glen Lichtwark, School of Human Movement and Nutritional Sciences.
SELECTED CRITERIA

**Essential**

- Completion or near completion of a PhD in the area of biomechanics and/or motor control
- Demonstrated expert knowledge in the area of biomechanics and/or muscle mechanics, with experience using ultrasound imaging or other medical imaging, peripheral nerve stimulation and electromyography
- Strong computational and statistical skills
- An emerging profile in research in the discipline area.
- Evidence of publications in reputed refereed journals and presenting at conferences.
- Evidence of contributions towards successfully obtaining external research funding.
- Well-developed communication, interpersonal and consultative skills and the ability to work collaboratively with colleagues from multidisciplinary backgrounds.

**Desirable**

- Computer programming skills in Matlab, Python or other computer language for signal or image processing and analysis.
- Evidence of capacity to work with human research participants, including invasive physiological measures (e.g. finewire electromyography or microendoscopy)

**Qualification Verification**

An appointment to this position is subject to the verification of the highest academic qualification from the conferring institution.

**Vaccinations and Immunisation**

It is a condition of employment for this role that if you are required now or in the future, to work or interact in Queensland Health clinical facility; or in an equivalent clinical health facility; or health care role; or will be required to perform work tasks that put you at risk of exposure to vaccine-preventable disease you are required to be immunised against, and remain immunised against, certain vaccine preventable diseases (VPDs) in accordance with the University’s Vaccinations and Immunisation Guidelines (PPL 2.60.08). The employee is required to provide evidence of immunisation against VPDs.

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University’s Diversity and Inclusion webpage for further information and points of contact if you require additional support.

This role is a full-time position; however flexible working arrangements may be negotiated.

Accessibility requirements and/or adjustments can be directed to recruitment@uq.edu.au.