

## POSITION DESCRIPTION

Position Title:	Postdoctoral Research Fellow
Business Unit:	Faculty of Health
Appointment Level:	Academic Level B
Reporting To:	Associate Professor Celeste Coltman, Applied Biomechanics
Number of Direct Reports:	0
Delegation Band:	7
Position Number:	TBC

## THE UNIVERSITY OF CANBERRA

The University of Canberra is a young University anchored in the national capital and works with government, business, and industry to serve our communities and nation. The University of Canberra challenges the status quo; always pursuing better ways to teach, learn, research, and add value – locally and internationally.

Our purpose is to provide education which offers high quality transformative experiences; to engage in research which makes a difference to the world around us; and to contribute to the building of just, prosperous, healthy, and sustainable communities.

The University of Canberra has recently established its long-term ambitions through its new decadal strategy: *Connected*. Through its three objectives (Connected to Canberra, Connected for life and Connected UC), the University of Canberra aims to build sustainable communities through deep collaborations that are locally focused and globally relevant, partner for life with our students to shape our economic, social and cultural futures and deliver an outstanding, digitally connected experience that removes barriers to accessing higher education.

## OUR PURPOSE AND VALUES

Our [purpose and values](#) are the heart of this university. They describe our core identity: who we are and how we behave at the University of Canberra. They were developed by our people for our people.

## GALAMBANY

Together we work to empower, connect and share knowledge with our people, cultures and places



## **BUSINESS UNIT OVERVIEW**

The Faculty of Health comprises three Schools, covering a number of disciplines including Psychology, Nursing, Midwifery, Sport and Exercise Science, Physiotherapy, Nutrition and Dietetics, Pharmacy, Public Health, Social Work, Counselling, Medical Radiation Science, Occupational Therapy, Optometry and Speech Pathology. It is the home for the Health Research Institute and the Research Institute for Sport and Exercise.

Staff are committed to making significant contributions to the advancement of knowledge in their professions, and to contributing to basic, applied and clinical fields of research. The research of the Faculty of Health has grown rapidly in recent years, with fourfold increase in papers, higher degree graduates and research funding since 2008.

## **POSITION PURPOSE**

The Postdoctoral Fellow will play a key role in a collaborative project with the Defence Science and Technology Group, Department of Defence. The project will explore whether changes to the design of body armour systems for soldier populations can improve human performance, fit and comfort for users. This project involves collaboration with a multidisciplinary team of biomechanists, ergonomists and industrial designers. The successful applicant will have experience with biomechanics and human factors/ergonomics data collection and analysis techniques, as well as experience examining the impacts of products and equipment on human movement. An ability to code is highly desirable, as well as experience working with three-dimensional scans and statistical shape modelling in computer aided design environments. The application will have the capacity to work independently, as well as collaboratively within a team environment. They will take a primary responsibility in project management and contribute to the ongoing development of prototype equipment and experimental designs. Excellent academic writing skills and evidence of research outputs are essential.

## **PRIMARY RESPONSIBILITIES**

The occupant of this position will be required to:

- Develop and apply research methodologies in biomechanics, human factors, ergonomics and design.
- Undertake specific research project(s) under the guidance of a senior researcher in biomechanics and contribute to development of research activities, in collaboration with the industry partner.
- Contribute independently or as a team member in collaborative research, including project conceptualisation, prototype evaluation, data collection and data analysis.
- Develop to high quality academic publications, reports and presentations.
- Participate in and/or present at conferences and/or workshops as relevant and required.
- Support current research students in biomechanics with data collection and analysis where required.
- Assist with the supervision of research students in the research area.
- Assist in developing targeted research grant applications through literature searchers, information gathering, project conceptualization and writing.
- Contribute to the Applied Biomechanics research team and theme within UCRISE, including developing new and existing projects within the theme areas of research strength.

## KEY CAPABILITIES

Key Capabilities	Descriptors
1. Leadership	<p>1.1 Proactively addresses challenging issues and takes responsibility for seeing issues through. Assist team members to recognise barriers and overcome them.</p> <p>1.2 Connects the University Strategic Plan with the Portfolio and reinforces connections with other staff.</p> <p>1.3 Builds and communicates a clear and compelling path for others to choose to be committed and engaged.</p> <p>1.4 Champions and role models effective change while working to engage and enthuse others to embrace a vision of change.</p>
2. Effective Communication	<p>2.1 Adjusts message and delivery appropriate to audience.</p> <p>2.2 Listens to others and effectively communicates ideas.</p> <p>2.3 Produces accurate and effective information in a timely and efficient manner.</p> <p>2.4 Influences and negotiates persuasively.</p>
3. Collaboration	<p>3.1 Creates opportunities for communities of work colleagues.</p> <p>3.2 Looks beyond self and immediate team to add value to the whole University.</p> <p>3.3 Develops relationships with external parties. Seeks and acts on opportunities to connect external parties and partners to the University.</p>
4. Delivers results	<p>4.1 Delivers on agreed outcomes and escalates issues as appropriate.</p> <p>4.2 Identifies opportunities to improve processes and takes opportunities to problem solve to deliver outcomes.</p> <p>4.3 Responds effectively to changing circumstances and prioritises.</p>
5. Business Acumen	<p>5.1 Understands the purpose of own position and how this contributes to the objectives of the University.</p> <p>5.2 Manages resources effectively.</p> <p>5.3 Understands the commercial context the University operates in.</p>
6. Service	<p>6.1 Delivers seamless customer focused service underpinned by simplified and efficient processes.</p> <p>6.2 Understands and anticipates the needs of our students and partners and can convert these into commercial outcomes.</p>
7. Digital Literacy and Innovation	<p>7.1 Demonstrates the ability to work fluently across a range of tools platforms and applications to achieve complex tasks.</p> <p>7.2 Demonstrates the capacity to adopt and develop new practices with digital technology in different settings; to use digital technologies in developing new ideas, projects, and opportunities.</p> <p>7.3 Incorporates digital literacy skills into own learning and the learning of others e.g., students, peers, supervisees.</p> <p>7.4 Appreciates the legal, ethical and security guidelines in the management, access and use of data.</p>

**Note:** This position requires a skill level that assumes knowledge or training equivalent to post-graduate qualifications, or extensive relevant experience, or an equivalent combination of relevant experience and/or education/training.

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**While at work, you must take reasonable care that your actions or omissions do not adversely affect the health and safety of other persons. This includes:**

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- comply, so far as you are reasonably able, with any reasonable instruction that is given by the University to comply with the WHS Legislation
  - cooperate with any reasonable policy or procedure of the University relating to health or safety at the workplace that has been notified to workers
  - assume any additional duties as outlined in the WHS Procedure: Resources, Responsibility and Accountability
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