

UQ Summer Research Project Description

Project title:	Health and Wellbeing Centre for Research Innovation
Hours of engagement & delivery mode	20-36 h <i>Project to be completed with a mix of remote and in-person activities. Some travel to Logan may be required in addition to UQ (St Lucia).</i>
Description:	The student will have the opportunity to be involved in a range of research projects aligned with the Health and Wellbeing Centre for Research Innovation, a collaboration between UQ and Health and Wellbeing Queensland (Queensland health promotion agency). The student will be able to engage in a range of research activities which could include data collection, data management, literature reviews, scientific writing and partner-driven scientific discussions. The student can expect the work to fall within three themes of the Centre, Healthcare (e.g. chronic disease prevention and management), Workplaces and Children and Young People, with respect to physical activity and nutrition related research and community programs.
Expected learning outcomes and deliverables:	The student can expect to learn and experience foundation research skills such as data management, qualitative and quantitative research methods, literature searches, scientific writing and communication skills. These experiences will be accrued in collaboration with industry partners (e.g. UQ Health Care) and Health and Wellbeing Queensland. It is expected that the student will establish their specific outcomes on the project in collaboration with the Centre at the start of the program as the breadth of work means that it can be tailored to each individual students experience and interest.
Suitable for:	This project would be suitable for students from Faculty of Health and Behavioural Sciences and those in programs where they are training to be health professionals. This does not have to be exclusively in physical activity/exercise or nutrition related areas, but an interest in these areas is important.
Primary Supervisor:	A/Prof Sjaan Gomersall
Further info:	Please contact the supervisor before applying at s.gomersall1@uq.edu.au

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UQ Summer Research Project Description

Project title:	Novel exercise solutions for increasing exercise uptake and maintenance
Hours of engagement & delivery mode	20-36h Project to be completed with a mix of remote and in-person activities Travel to St Lucia & Herston UQ campuses will be required
Description:	Within this project, the student will have the opportunity to engage in various research activities aimed at identifying and evaluating novel exercise approaches and methods to enhance exercise uptake and adherence. This includes a virtual reality exercise research program with the School of Human Movement and Nutrition Sciences and RECOVER Injury Research Centre and a range of digital and biofeedback approaches to increase exercise adherence in metabolic disease. The student will be involved in a range of research activities, potentially including data collection, study recruitment, data management, literature review, ethics applications, and scientific writing. The student can expect to work with virtual reality exercise applications, deliver supervised exercise sessions for apparently healthy participants, and pilot approaches for people with metabolic disease.
Expected learning outcomes and deliverables:	It is expected that the student will gain and practice essential research skills such as conducting literature review, data collection, data management (including ethical applications) and quantitative research methods. The student will have opportunities to develop communication skills with research participants. In addition to the foundational research skills, it is expected that the student will learn, experience and evaluate the utility of a range of digital exercise tools and approaches and exercise adherence building strategies, which may benefit their ongoing clinical practice.
Suitable for:	This project would be suitable for 3 rd -4 th year students from the Faculty of Health and Behavioural Sciences and those in health professional programs. This does not have to be exclusively in exercise/physical activity professions. Those with a particular interest in virtual reality or other digital health exercise interventions are encouraged to apply.
Primary Supervisor:	Dr. Shelley Keating
Further info:	Please contact before applying: Dr Shelley Keating s.keating@uq.edu.au

UQ Summer Research Project Description

Project title:	Examining the quality, impact, and learning of national team coaches
Hours of engagement & delivery mode	20 – 25 hrs per week. The project will be offered in a hybrid arrangement with some hours expected to be completed at the University of Queensland and some hours to be completed at home on weekly basis.
Description:	<p>Olympic Games, Paralympic Games, World Championships, and World Cups of various configurations are the pinnacle performance contexts for the vast majority of AIS-supported sports. The coaches who lead and support the teams and athletes competing at these events are known to be key to successful performance outcomes, yet despite this critical performance of the coach, this form of coaching is poorly understood and severely lacking in support. Accordingly, this project seeks to understand the varied dimensions of work that national team coaches undertake in the pre-, during, and post-pinnacle sporting events (e.g., the Paris Olympics).</p> <p>We are collaborating with various sport institutes and national sporting organisations to collect data with national coaches, athletes, support staff, and administrators to answer the following research questions:</p> <ol style="list-style-type: none"> 1. What are the roles and responsibilities of coaches before, during, and after the Olympics (i.e., what do they do)? 2. How do coaches learn to coach at the Olympics? 3. How can coaching at the Olympics and the environments within which coaches work be enhanced?
Expected learning outcomes and deliverables:	We expect successful applicants to be involved in most phases of the research process, which may include data collection, qualitative and mixed methods analyses, reviews of the literature, and research writing. However, more importantly our aim will be to co-construct a project plan that is beneficial for both the overarching project and the objectives of the student.
Suitable for:	This project is suitable for students with an interest in sport psychology, sport coaching, or pedagogy and is open to applications from students going into their 3 rd or 4 th year of studies.
Primary Supervisor:	Drs Jordan Lefebvre and Steven Rynne
Further info:	Although it is not a pre-requisite for selection, it is recommended that interested students reach out prior to submitting an application. Email: j.lefebvre@uq.edu.au

UQ Summer Research Project Description

Project title:	Long-term outcomes of The FITR Heart Study and Research in Exercise Physiology
Hours of engagement & delivery mode	30 hours/week. Hybrid. On-site attendance will be required for at least part of the project. Some administrative work could be done remotely.
Description:	<p>This project involves a follow-up study of participants who completed a randomised controlled trial (7+ years ago) that investigated high-intensity interval training in cardiac rehabilitation.</p> <p>Work on this project will involve analysing and working with data on outcomes related to cardiorespiratory fitness, body composition, vascular function, blood markers, exercise/physical activity habits, and dietary intake.</p> <p>Part of this project will also involve assisting with other exercise physiology projects to gain experience in data collection related to vascular assessments, exercise testing, exercise training, and physical activity.</p>
Expected learning outcomes and deliverables:	<ul style="list-style-type: none"> - Learn and assist with data analysis - Learn and assist with communicating research data to participants - Learn and assist with research techniques such as cardiopulmonary exercise testing, measurements of vascular stiffness and function, collecting accelerometry data, administering exercise and physical activity related questionnaires, and processing blood samples (optional). - Gain experience in data collection processes - Develop an understanding of ultrasound assessments to measure peripheral vascular function and brain blood flow regulation.
Suitable for:	<p>Students who are</p> <ul style="list-style-type: none"> - Self-motivated, organised, and have a professional nature - Good interpersonal skills - Strong attention to detail - Interest in postgraduate research
Primary Supervisor:	Jenna Taylor
Further info:	Can be contacted on jenna.taylor@uq.edu.au