Project title:	**'Pre-Ready' Project**
Project duration:	This winter research project will run for the standard duration of six weeks, between 15 June to 24 July. Students may wish to remain connected with the Healthy Start for Life Research Group throughout the duration of the broader project.
Description:	***Investigators:*** This project is a multi-disciplinary paediatric project hosted by the Healthy Start to Life Research Group in the School of Health and Rehabilitation Sciences (SHRS). The HSTL group involves paediatric researchers from Physiotherapy, Occupational Therapy, Speech Pathology and Audiology in SHRS. This project also involves external Allied Health and Medical collaborators from Children's Health Queensland (Queensland Health), The Cerebral Palsy League and Private Allied Health services in Queensland. ***Aims:*** The project focuses on early child development from a global perspective and aims to determine the developmental facilitators and barriers to effective school entry, and effective school performance in the Prep year under the new Australian Curriculum. ***Method:*** The project will involve students participating in 2 studies: • Systematic review of measures of Prep-Readiness • Delphi study to determine facilitators and barriers to successful entry and performance in the prep year
Expected outcomes and deliverables:	Applicants can expect to gain skills in data collection, analysis and to generate publications from their research. Students will also be asked to provide a written an verabl update to the Healthy Start to Life Research Group at the end of their project.
Suitable for:	This project is open to applications from students in Year 2, 3 or 4 (HONS Programs) or Year 1 or 2 (GEMS Programs) in any of the disciple areas in the School of Health and Rehabilitation Sciences. Applications will not be accepted from students in Year 1 (HONS) or Intro year (GEMS).
Primary Supervisor:	Dr Leanne Johnston Chair, Healthy Start to Life Research Group School of Health & Rehabilitation Sciences L.johnston1@uq.edu.au
Further info:	It would be appreciated if all applicants could please contact the project supervisor prior to submitting an application.

Project title:	**Factors influencing the differential diagnosis of cervical spine conditions**
Project duration:	The project will run between 15 June and 24 July. It is anticipated that all data collection will be completed during the first 2-3 weeks requiring regular attendance at the cervical spine research unit, thereafter analysis and write up will be undertaken with 1-2/weekly meetings.
Description:	Headache, neck pain and dizziness are common features of cervical spine musculoskeletal conditions but they can also be early indicators of other non-musculoskeletal conditions such as vestibular pathology eg., benign paroxysmal positional vertigo (BPPV), vestibular migraine or more serious pathologies such as arterial dissection. The purpose of the project is to improve the differential diagnosis of headache, neck pain and dizziness. The specific aims are: 1. To identify factors which may help predict cervical arterial dissection 2. To identify factors which may help in the differential diagnosis of cervicogenic dizziness. The project will involve the collection and analysis of specific variables from 2 existing data sources; clinical data from patients with cervical arterial dissection and dizziness handicap inventory data from patients with cervicogenic dizziness and BPPV. These results will either be compared to each other or to data from a general population cohort, which will also be available.
Expected outcomes and deliverables:	Scholars will gain skills in handling and interpreting data from different sources. They will be involved in collecting and managing data into a spreadsheet format to prepare it for statistical analysis. They will also gain some experience in simple statistical analysis. The project will also involve the preparation of 2 reports for publication with which scholars will be involved.
Suitable for:	The project is open to UQ enrolled students in their 3rd or 4th year. A background in anatomy, physiology and neurological conditions would be an advantage.
Primary Supervisors:	Dr Lucy Thomas Dr Julia Treleaven
Further info:	Applicants are requested to contact the project supervisors for further information, Dr Lucy Thomas l.thomas2@uq.edu.au and Dr Julia Treleaven j.treleaven@uq.edu.au All applicants to contact the project supervisor prior to submitting an application.

Project title:	**Hip muscle size and function in healthy and pathological populations**
Project duration:	**15 June - 24 July**
Description:	This is part of a larger project that aims to collect information relating to hip muscle activity (through a technique called electromyography, EMG) and hip muscle size (through MRI scans) in a range of populations. The aim is to identify deficiencies in size or function that may then be targeted with rehabilitation programs.
Expected outcomes and deliverables:	The applicant will gain experience in; • data collection of EMG and/ or MRI • data processing of EMG and/ or MRI • assistance with writing journal publications This will also provide the applicant with an opportunity to remain involved in projects with this research team.
Suitable for:	This project is open to • 2nd, 3rd or 4th year Physiotherapy students enrolled in UQ • Computer Engineering students with MATLAB computer programming experience.
Primary Supervisor:	Dr Adam Semciw http://researchers.uq.edu.au/researcher/11948
Further info:	Applicants to contact project supervisor for further information, please provide the relevant contact details here. All applicants to contact the project supervisor prior to submitting an application. School of Health and Rehabilitation Sciences http://researchers.uq.edu.au/researcher/11948 E: a.semciw@uq.edu.au Ph: +61 7 3365 4592

Project title:	Exploring the impact of standing on the musculoskeletal system of sedentary workers
Project duration:	It is expected that this project will take the majority of the 6 six weeks
Description:	Intermittent standing at work has been advocated as a means of minimizing the negative health effects of sedentary behaviour. A strategy increasingly adopted by industry to promote this behaviour is to install standing workstations. However, a side effect of prolonged standing at work is lower back pain, hip pain, lower extremity and foot pain. Several laboratory studies have shown that up 71% of healthy people without a history of low back pain develop back pain with 120 minutes of standing. This has prompted researchers to caution against replacing sitting with standing at work. The source of the lower back pain with standing in healthy participants is thought to be due to aggravation of soft tissues induced by the static postures adopted. Interestingly, those who develop low back pain appear to adopt different postural control strategies, utilise a different range of spinal movement and different levels of muscle activity compared to those who do not develop pain. We hypothesize that office workers with standing induced low back pain will demonstrate reduced postural sway, greater lumbar angles and greater postural muscle activity in standing compared with those without back pain and these variables will be correlated with the severity of pain. Aims: 1. To determine the severity of low back and lower limb pain during a period of standing and the amount of time taken for pain to settle when standing is ceased. 2. To determine the relationship between biomechanical measures of standing postures (postural sway, spinal movement) in those who do and do not develop standing induced low back or lower limb pain. Study Design This is an observational laboratory study conducted at SHRS with 20 healthy participants who do not experience musculoskeletal pain at rest or during regular activities. A series of measures will be taken during a two hour standing tolerance test. The measures will include postural sway, trunk posture and pain intensity.
Expected outcomes and deliverables:	Applicants will learn how various skills in research methodology including participant recruitment and screening, taking postural measures, and data management skills. Students will have an opportunity to present their findings at an internal research meeting.
Suitable for:	This project is available to students enrolled in the 2nd or 3rd year of the Bachelor of Physiotherapy program, 1st year of the Graduate Entry Masters of Physiotherapy Program, or Masters in Musculoskeletal or Sports Physiotherapy programs with an interest in research.
Primary Supervisor:	Dr Venerina Johnston and Dr Michelle Smith
Further info:	Applicants to contact project supervisor for further information, please contact Dr Johnston at v.johnston@uq.edu.au or Dr Smith at m.smith5@uq.edu.au. All applicants should contact the project supervisor prior to submitting an application.

Project title:	**Gathering normative Australian data on a measure of attachment patterns in school aged children**
Project duration:	This 4 week project will commence on 15 June 2015. Two scholars will hopefully be selected to work on the project.
Description:	*The project will involve library database searches, synthesis of literature and the opportunity to participate in the preparation of applications for ethical clearance. Scholars will be introduced to the logistics of participant recruitment.*
Expected outcomes and deliverables:	*Scholarship recipients will gain experience in working in a dynamic research group.*
Suitable for:	*This project is open to applications from fourth year or third year occupational therapy students at UQ.*
Primary Supervisor:	Dr Pamela Meredith, Prof Jenny Strong
Further info:	Applicants to contact project supervisor for further information on p.meredith@uq.edu.au It is our preference that applicants contact the project supervisor prior to submitting an application.