

<p>College of Rehabilitation Sciences Researcher Ruth Barclay PhD, MHSc, BMR(PT) Associate Professor, Department of Physical Therapy College of Rehabilitation Sciences, Rady Faculty of Health Sciences R106-771 McDermot Ave, Winnipeg, MB R3E 0T6 Phone (204)787-2756 ruth.barclay@umanitoba.ca</p>	<p>Topic area: The primary focus of my research is on community ambulation (walking outside of the home) in older adults and people with stroke and its association with wellbeing, health-related quality of life and physical function. This is being studied in a variety of ways: through a multi-centre randomized controlled trial, qualitative studies, secondary analysis of a large database, an observational study, and systematic reviews with meta-analyses. Students will have the opportunity to work on aspects of these studies and new studies resulting from past work. More information about the research can be found here. http://umanitoba.ca/rehabsciences/media/Ruth-Barclay.pdf</p>
<p>Dr. Amine Choukou Assistant Professor, Department of Occupational Therapy College of Rehabilitation Sciences, Rady Faculty of Health Sciences R106-771 McDermot Ave, Winnipeg, MB R3E 0T6 Amine.choukou@umanitoba.ca</p>	<p>A review of ambient assisted living technologies for older adults with cognitive and physical impairments (2 students) Emerging technologies such as internet of things, artificial intelligence, sensors, cloud computing, wireless communication technologies, and assistive robotics have given the vision to develop various ambient or active assisted living approaches for supporting an older adult to live independently and safely in their living environment and participate in the activities of their choice within their community activities, as well as supporting them to maintain their physical and mental health, and quality of life. The aim of this project is to review the literature about Ambient Assisted Living for older adults with physical, cognitive impairments, and their social participation.</p>
<p>Dr. Sandra Webber Associate Professor, Department of Physical Therapy College of Rehabilitation Sciences, Rady Faculty of Health Sciences R106-771 McDermot Ave, Winnipeg, MB R3E 0T6 Phone (204)787-2756 sandra.webber@umanitoba.ca</p>	<p>My research focuses on measuring physical activity, ambulation and sedentary behaviour in older adults and people with chronic disease. Many of my studies incorporate the use of technology (e.g., pedometers, accelerometers) to provide objective measures of activity performance (what people do in their everyday lives). Current projects include measuring exercise parameters when people play sports and using GPS devices to characterize outdoor mobility patterns in older adults.</p>
<p>Dr. Joanne Parsons PhD, MSc, BMR(PT) Assistant Professor Department of Physical Therapy, College of Rehabilitation Sciences R106-771 McDermot Avenue Winnipeg, MB R3E 0T6 Tel: 204-787-1019 Joanne.Parsons@umanitoba.ca</p>	<p>A primary interest of mine is the use of resistance training to maximize health and performance. You'd be helping me with my study that was funded by the Manitoba Medical Service Foundation, called "An Unconventional Classroom: The Effect of Mandatory Hours in the School Weight Room on Student Participation in Resistance Training Activities". Tasks could include data entry and basic analysis; preparation of written and oral reports for participating schools and school divisions; literature searching; and helping to prepare a poster and/or paper from the study. I am also involved in projects that look at equitable access to physiotherapy services. You could be assisting with a study called "Who uses private physiotherapy services in Winnipeg, Manitoba?". Tasks could include data entry and basic analysis; preparation of a poster and/or paper related to the study; or other related tasks that come up. You could be involved in other projects that are related to research. A few things to consider:</p>

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| | <ul style="list-style-type: none">• You would be based out of my office on the Bannatyne campus, 800 Sherbrook Street• The award is meant to support a student to work full time (approximately 37.5 hours/week), and so having another job and/or summer classes is not advised. There may be some leeway if you need to take one class; we can talk about this.• I will help you with your application; it's not that scary!• You will get lots of help and guidance; you will not be left on your own to figure things out. I'll help you learn a bunch of new skills. |
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