



ARC RESEARCH HUB FOR
CONNECTED
SENSORS
FOR HEALTH

PhD Scholarship with multi-disciplinary team

Host Institution: UNSW

Stipend: \$38,000 annually

Project Duration: 3.5 years

Overview:

We are looking for a person with a background in physiotherapy, rehabilitation or exercise physiology to join our multi-disciplinary team as a PhD candidate at UNSW Sydney.

Your PhD will involve the application of both novel clinical technologies and decentralised technologies to rehabilitate gait impairment in people living with Parkinson's in both resource intensive clinical settings and remotely in under-resourced settings.

Travel to present at international conferences or international partners sites would be included in your scholarship package as part of our Joint European Program for Neurodegenerative Diseases.

We are looking for a suitable candidate to start in T3 2024 or T1 2025.

A PhD scholarship at UNSW comes with a \$38,000/year tax-free stipend for full-time study over 3.5 years. Your university fees will also be covered. While some part-time work while studying is allowable, past experience suggests a successful PhD within 3.5 years requires 5-days/week commitment. For this PhD opportunity you will take a lead clinical role using your initiative to optimise intervention delivery to suit individual needs, lead the end-user engagement, and contribute to the co-design of the new medical technologies, which will technically be developed by other team members. You will be supported with our research team and internationally recognised world leading collaborators.

Some technologies that you will have access to and the opportunity to improve include:

Our virtual reality treadmill training system in collaboration with five international sites.

https://www.youtube.com/watch?v=y0Pc--_MUwo



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Our freely available phone app (now translated into five languages and used by thousands of people globally both with and without Parkinson's disease)

https://www.youtube.com/watch?v=1cY6Yw_Fog0

The above Walking Tall app is freely available on App store <https://apps.apple.com/au/app/walking-tall/id1450872540> or Google play <https://play.google.com/store/apps/details?id=com.walkingtallsnack&pli=1>

Our future medical device that in three pilot studies has helped people walk better and substantially reduced accidental falls and related injuries

<https://www.9news.com.au/videos/health/funding-for-new-device-for-parkinsons-patients/clqkm36z800190js6pfms6ffd>

Benefits:

- Opportunity to work in a multidisciplinary research environment with access to cutting-edge facilities.
- Collaborate with leading academic and industrial partners.
- Receive a competitive stipend of \$38,000 per annum, tax-free.
- Potential for international conference attendance and networking.

Interested candidates:

For further information about the project or application process, please reach out to Matthew Brodie by email at a.m.brodie@unsw.edu.au to discuss this fabulous PhD opportunity.