

## **Abstract**

Current clinical trials of new exciting innovative treatments for stroke patients are showing very positive results in IT Sligo Stroke Research Group. This has led to the development of a number of medical devices that will be commercialised in the future. This Postgraduate Researcher will work with an established team to carry out further clinical trials towards establishing the correct dosage of treatment required for stroke patients when using these innovative medical products. It will also involve collaborating with the Engineering & Design department to further develop these devices.

## **IDEAL CANDIDATE**

The ideal candidate would have an interest in further developing innovative treatments and medical devices to improve function in stroke patients. They could have an Exercise Science, Physiotherapy, Occupational Therapy, Engineering & Design, Medical or Exercise Therapy background. They would have achieved Honours Level 8 degree in an exercise or engineering and design related discipline, and will not necessarily need an MSc. They need to be enthusiastic and hard working and willing to work with an established team of 3 postgraduate researchers, and Dr Kenneth Monaghan, the Director of the Stroke Research Group, within the Clinical Health & Nutrition Centre (CHANCE) for Research in IT Sligo. The candidate will have the following opportunities;

- To work with an internationally recognised Stroke Research Group, who have already established a vast stroke network both locally and nationally.
- To learn detailed knowledge of randomised clinical trials, and become familiar with the Cochrane Institute.
- To become part of the Innovation and Research departments within IT Sligo and collaborate with experienced researchers (e.g. Engineering & Design) in these fields.
- To present their work at National and International Stroke Conferences
- To gain experience in commercialisation of medical products.
- To travel to international collaborators in UK, Netherlands and Canada during the course of the research.
- To improve their scientific writing, and publish findings in peer reviewed international journals.

Candidates may also get an opportunity to;

- Gain tutorial experience within the Department of life Sciences.