

## **Harmonisation of Keep Control assessment protocols, inclusion of the ICF model as a framework, meta-analysis**

The University Medical Center Groningen (UMCG) is a teaching and research medical centre in the Northern part of the Netherlands, and has designated Healthy Ageing as one of the three spear-points for research. The Center of Human Movement Science is a part of the Faculty of Medical Sciences within the University Medical Center Groningen (UMCG). The Center's mission is: a) to conduct high-quality education and multidisciplinary research on how movement and regular motor activity act as restorative, preventative and performance enhancing agents for motor and cognitive function across the lifespan and to develop effective interventions for improving health and quality of life; b) to create opportunities for interdisciplinary research collaboration across multiple disciplines at the local, national, and international level.

A three-year PhD position is available in the Center for Human Movement Sciences, University of Groningen Medical Center (UMCG), Groningen, within the Movement and Healthy Ageing section. The research of the PhD student is focused around the question how underlying mechanisms of balance and gait decline related to personal factors, physical activities and social participation. The PhD student will work on harmonization of data collection and assessment methods across different studies of the "Training network "Keep Control", using the ICF model of health and disability. Meta-analysis with data-mining and pattern recognition methods on data obtained at different research sites will be performed, to assess interactions between multiple data streams and information about a participant's objective and subjective measures.

The project is funded by the European commission and it is carried out within the framework of the Initial Training Network "Keep Control" visit [www.keep-control.eu](http://www.keep-control.eu).

### **Requirements**

- A completed MSc degree in the field of human movement science, epidemiology, medical & health sciences, biomedical engineering, or related fields;
- Strong skills in (multivariate) data analysis;
- Knowledge of the International Classification of Functioning, Disability and Health (ICF);
- Good software programming skills (MatLab, Statistical packages);
- Good command of the English Language and good English writing skills;
- Good communication and social skills and ability to work in a multidisciplinary and international team.

For additional information please contact:

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## General eligibility criteria

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- Researchers may be of any nationality.
- Researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of the host for more than 12 months in the 3 years immediately prior to their recruitment.
- Applicants should have less than 4 years of postgraduate research experience

## Applications

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For more information and to upload your application (CV, letter of interest and contact information for potential references) visit [www.keep-control.eu](http://www.keep-control.eu).

Deadline for application: June 30, 2017