ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

DHEST
Departement Gesundheitswissenschaften
und Technologie

Doctoral Position
Integrative cognitive-motor technology and rehabilitation
full-time, fixed-term, fully funded position at the Department of Health Sciences and Technology at ETH Zurich
(Campus Hönggerberg)

Our group is conducting impactful research on innovative training and rehabilitation methods and technology-based cognitive-motor assessments in older adults and patient populations (mostly) in clinical settings.

Project Description

The doctoral position will be within the international research project "A novel technology-based care concept for an accessible and personalized cognitive-motor therapy to counteract frailty and promote health (PROHEALTH)" funded by the European Partnership for transforming health and care systems (THCS).
Aim of the project is to assess the effectiveness of an ICT-based tele-rehabilitation concept within the scope of a pragmatic multi-center randomized controlled trial.

Main Tasks

- Define personalized cognitive-motor exergame training requirements within the scope of outpatient rehabilitation
- Plan and coordinate research studies
- Disseminate research outcomes at international conferences and in peer-reviewed journals
- Supervise masters` students

Requirements

- Master's degree in Human Movement Sciences, Sport Sciences, Neuropsychology, Biomedical Engineering, or related fields
- Strong interest in ICTs for health and rehabilitation
- Curiosity and motivation for scientifically rigorous experimental and clinical work
- Excellent communication and interpersonal skills
- Willingness to work with patients and clinicians
- Self-motivation, ability to work independently and solution-oriented mentality
- Excellent oral and written English skills; conversational German is advantageous but not mandatory
- Willingness to support teaching activities

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We offer

- A research group with a strong international network
- An interdisciplinary team with collaborations in clinical, industrial and international research settings
- A project with a strong translational focus
- Competitive salary according to ETH standards for doctoral students

About ETH Zürich

ETH Zurich is one of the world's leading universities specialising in science and technology. We are renowned for our excellent education, cutting-edge fundamental research and direct transfer of new knowledge into society. Over 30,000 people from more than 120 countries find our university to be a place that promotes independent thinking and an environment that inspires excellence. Located in the heart of Europe, yet forging connections all over the world, we work together to develop solutions for the global challenges of today and tomorrow.

Application Process

We are looking for a candidate that can start in **July 2024**.

Interested candidates should send their application via email to eleftheria.giannouli@hest.ethz.ch including:
- Cover letter outlining motivation and experience in the field, confirming availability to start in July 2024 or indicating preferred starting date
- CV with degree certificates and publications (if applicable)
- Copies of Bachelor`s and Master`s theses

For inquiries about the position, please contact Dr. Eleftheria Giannouli at eleftheria.giannouli@hest.ethz.ch