

FULL TIME POSITION AVAILABLE

The Center for the Study of Movement, Cognition and Mobility in the Neurological Institute at the Tel Aviv Sourasky Medical Center ("Ichilov") is looking to hire a research engineer or computer scientist.

The candidate will be responsible for developing and organizing a multi-site database of gait signals collected among people with Parkinson's disease and for providing support to international collaborators. She / he may also apply signal processing methods to metrics based on physiological signals and wearable devices such as acceleration, gyroscope, EEG, fNIRS, and imaging data. Using wearable devices, the CMCM aims to better quantify gait, balance, movement, cognition, and related physiological properties in healthy adults and in disease populations (e.g., Parkinson's disease, Alzheimer's, stroke, fallers), to enhance diagnostic accuracy, and to improve the sensitivity and specificity of monitoring disease progression.

The person will also help support new and ongoing cutting-edge lab projects, provide assistance and guidance to students, and be encouraged to propose new research ideas, write peer-reviewed papers, and present his or her work at national and international conferences.

Requirements:

- BA, BSc, or MSc in engineering, computer science, or a closely related field.
- Programming experience in Matlab and/or Python.
- Working knowledge of signal processing and time-series analyses is helpful.
- Preference to someone who is research-oriented and excited to take on new and diverse challenges.
- Good communication skills in English and Hebrew.
- Knowledge of biomedical statistics is also helpful.

For more information about the research activity at the center, please visit:

tinyurl.com/cmcm-tlvmc

Interested parties should send a current CV and contact information for potential references to: cmcm@tlvmc.gov.il Please place "research engineer" in the subject line.