Sheba Academic Medical Center Hospital

Post-Doc – early/mid stage (for long-term) academic research position in translational neuroscience

The Center of Advanced Technologies in Rehabilitation (CATR) at the Sheba Medical Center is a multidisciplinary research unit with studies spanning the fields of physiology, psychology, neuroscience, engineering, and biomedical sciences. Facilities include virtual reality (VR), gait laboratories, and platforms for real-time monitoring of bio signals. As the largest medical center in the Middle East, Sheba affords researchers access to a broad range of clinical populations and breakthrough technologies.
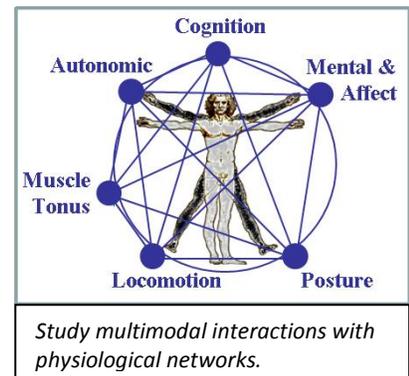
CATR is directed by Dr. Meir Plotnik, a preeminent neurophysiologist who holds an appointment in physiology and pharmacology at Tel Aviv University (TAU) and is affiliated with TAU's Sagol School of Neuroscience and the Gonda Center for Neuroscience at Bar-Ilan University.

Position "philosophy":

This position is designated for developing an academic-research managing-type of career
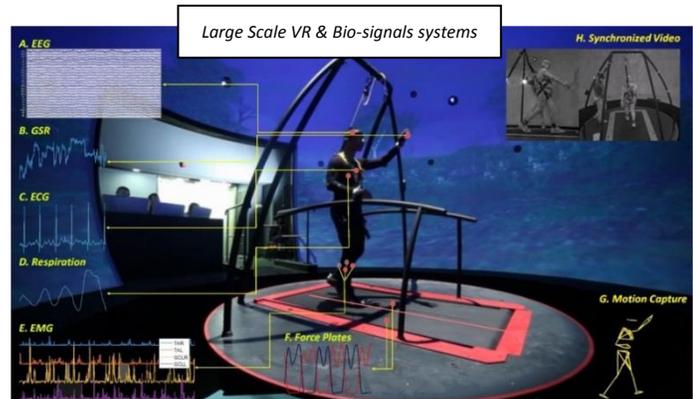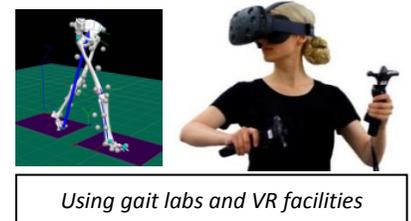
Position description:

- Conceiving, conducting and supervising ongoing experiments
- Conducting independent research
- Supervision of students and junior staff members
- Analyzing data and writing papers for publications
- Writing grants and Patent proposals
- Assimilating new technologies (hardware and software), in particular VR technologies
- Representing CATR in national & international conferences, and industry companies meetings

Study multimodal interactions with physiological networks.

Professional & personal requirements:

The successful applicant must demonstrate independence, high motivation, initiative and rigor in conducting research. The applicant should be a team player, have excellent communication skills, integrity, collegiality, collaborative, and a natural affinity and curiosity for scientific inquiry.

- PhD degree in disciplines related to neuroscience / cognitive psychology / biomedical engineering / computer science
- Knowledgeable in statistics
- Programming skills, in particular with MATLAB/Python (advantage)
- Proven scientific writing abilities (grant proposal and scientific manuscripts)
- Experience in conducting interdisciplinary research with human participants
- Excellent English
- Experience with VR technologies (big advantage)
- Experience with acquiring and analyzing physiological signals (advantage)
- Teaching experience (advantage)
- Technophile
- Management skills – ability to lead and coordinate an interdisciplinary team (an advantage: a significant team/project management experience)

Using gait labs and VR facilities

Large Scale VR & Bio-signals systems

Application process:

Please send CV and one page research interest statement to:
meir.plotnik@sheba.health.gov.il

Our Website: https://eng.sheba.co.il/catr