

Postdoctoral position for Greek Citizens at MIT's Newman Laboratory in

Rehabilitation Robotics

The Newman Laboratory for Biomechanics and Human Rehabilitation at the Massachusetts Institute of Technology seeks a Greek postdoctoral fellow for research on rehabilitation robotics. The broad goal of the project, funded by the Cerebral Palsy International Research Foundation (CPI), is to develop a pediatric version of our adult size anklebot and to develop a quantitative understanding of the contribution of the human ankle to lower-extremity function in children with CP. Its specific aim is to design and prototype a pediatric version of our adult anklebot, characterize the static and dynamic, passive and active mechanical impedance of the human ankles in multiple degrees of freedom in children, and to determine the clinical impact of this technology in the rehabilitation effort of children with CP.

The successful candidate will be expected to (1) design the pediatric Anklebot, (2) program and operate the pediatric Anklebot, (3) conduct experiments with human subjects (4) develop and implement robust methods to identify human ankle mechanical impedance.

The Newman Laboratory is a collaborative research environment with numerous ongoing projects in robotics, dynamic systems & control, and sensory-motor neuroscience applied to therapeutic and assistive technologies. The position is available immediately. Applications will be considered until the position is filled.

To apply, e-mail the following items in a single pdf file to Dr. Hermano Igo Krebs (hikrebs@mit.edu):

1. a summary of qualifications and their relevance in **less than 300 words**
2. curriculum vitae
3. available start date
4. name and e-mail address of at least three references

Please put CONTACT PEDIATRIC ROBOTICS POST-DOC in the subject line.