Improving Rehabilitation Outcomes
Using Mobile Health Technology

The objective of this lecture is to discuss how mobile health technology is reshaping clinical interventions in rehabilitation medicine. An overview of the clinical needs of patients with long-term conditions such as stroke and cerebral palsy will be followed by a description of mobile health technologies that have already enabled or have potential for enabling new clinical interventions.

Specific examples will be presented in which mobile health technology is used to monitor clinical outcomes as well as encourage patients to continue their rehabilitation outside of the clinic. Hardware and software solutions are of equal relevance in this context and so is the design of appropriate data analytics tools to extract clinically-relevant information from data gathered using wearable sensors and systems. The lecture will include a discussion of new technologies of clinical interest in the context of monitoring and deploying rehabilitation interventions in the home and community setting.

Friday, October 19, 2018
Halligan Hall | 1:45pm - 2:45pm