

## **PARTICIPANTS NEEDED FOR A WALKING STUDY TO TRAIN THE HIP AND KNEE FOR CHILDREN AND YOUNG ADULTS WITH TWO TYPES OF WALKING PATTERNS**

Children and young adults in the study will

- *Wear lightweight sensors on the waist, leg and shoe to measure movement;*
- *Walk on a treadmill while watching a display that shows the walking pattern;*
  - *Try to change the walking pattern to score points.*

Children and young adults who may be eligible for the study:

- *Age range: 7 to 21 years;*
- *Diagnosed with brain injury including but not limited to Cerebral Palsy, Stroke, Traumatic Brain Injury;*
- *Have a walking pattern where the knee is bent when the foot first touches the ground or straight when the foot is off the ground;*
  - *Be able to walk on a treadmill without assistive devices.*

This study has two 1-hour treadmill walking appointments at ***Kessler Foundation, West Orange NJ.***

A payment of \$50 will be provided for completing the study.

For more information about the study, please contact:

Xuan Liu, Ph.D.

Principal Investigator

T. 973-324-3561 Email: [xliu@kesslerfoundation.org](mailto:xliu@kesslerfoundation.org)

