

## Research Study:

# Gait Training using Computer Feedback for Children and Adolescents with Cerebral Palsy

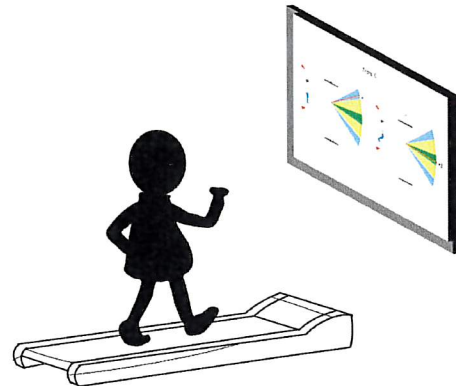
Research team led by Dr. Peter Barrance (principal investigator) and Dr. Xuan Liu at Kessler Foundation and Children's Specialized Hospital is looking for children and adolescents with Cerebral Palsy for a walking study!

### Children and adolescents in the study will

- *Wear lightweight sensors on the 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 adolescents who may be eligible for the study-

- *Age range: 7 to 17 years*
- *Diagnosed with cerebral palsy with hemiplegia (weakness on one side of the body)*
- *Have a walking pattern where the knee is bent when the foot first touches the ground*
- *Be able to walk on a treadmill without assistive devices*



This study has 12 one-hour treadmill walking appointments  
The location is ***Children's Specialized Hospital, Mountainside, NJ***  
A payment of \$275 will be provided for completing all the study sessions.

(For use by IRB Administrator)

**IRB APPROVAL EXPIRES**

**FEB 26 2020**

**KESSLER FOUNDATION**

**To learn more, please call**  
**Dr. Xuan Liu at 973-324-3561**