

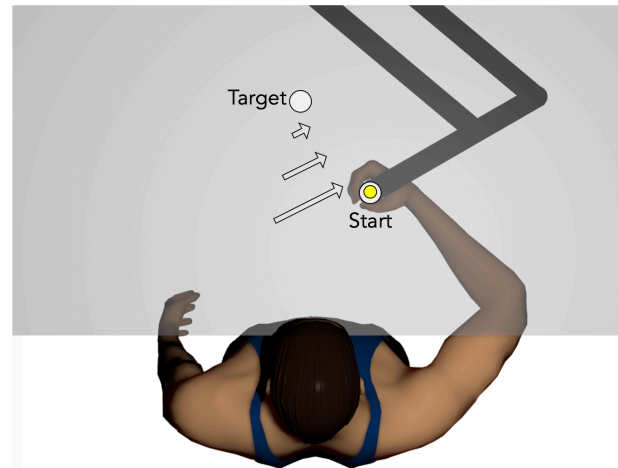
PARTICIPANTS WANTED!!!

The Neuromechanics and Learning Research Group, led by Dr. Joshua Cashaback in the BME department, is looking for participants for our human experiments! We are interested in how our brain controls movement and learns new skills, and how this knowledge can be used to improve the lives of those with neurological disorders.

Research Areas. We conduct human experiments and develop computational models to research the following areas:

1. Neuromechanics and Control
2. Reinforcement Learning
3. Human-Human Interactions

Approach. Our research involves submersing participants in a virtual reality and robotic suite—the Kinarm—while performing motor tasks. This device allows us to: i) probe what objectives the nervous system considers important when generating movement, and ii) understand the learning rules that govern how we adapt to novel visual and mechanical environments.



Participant using the Kinarm

Location and Contact Our lab (room 122) is located at nearby STAR Health Science Complex (540 South College Avenue). If you are interested in finding out more about what we do and participating in our experiments, please email us at: cashabacklab@gmail.com.



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