Movement Science

The Movement Science PhD Program offers training to investigate and improve movement in people with chronic diseases such as stroke, diabetes, low back pain, Parkinson disease, hip disorders and obesity. Studies span the full spectrum of investigation levels, from fundamental discovery through clinical application.

Our students become part of the next generation of scientists improving human health through movement. They go on to pursue postdoctoral fellowships, academic faculty positions, and careers in industry.

The Movement Science Program is an interdisciplinary training experience housed within the Program in Physical Therapy. Our students — some with and some without clinical backgrounds — learn to be movement scientists in an energetic, dynamic, and collaborative environment.

The program is unique in being an integral part of one of the world’s largest biomedical research institutions. Students and faculty collaborate with multiple departments within the School of Medicine, as well as with colleagues on the Danforth Campus in Biomedical Engineering, Psychological & Brain Sciences, Biology, and Social Work. The environment at Washington University provides a strong infrastructure for translational and clinical research. We use the expertise of outstanding researchers from diverse fields to create a world-class training experience, and we take mentoring seriously.

Accepted students receive full tuition remission, a stipend, and health insurance. The Movement Science Program is supported by National Institutes of Health training grant T32HD007434.

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