Performance, Participation, and Neurorehabilitation Laboratory

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**Mission:**

To improve the participation outcomes of persons with mild neurological injuries

**General Laboratory Description:**

The goal of Dr. Wolf’s lab is to generate knowledge that will guide intervention aimed at improving participation in work and community activities post- neurological injury. The majority of the current research in this laboratory is with individuals with stroke and chemotherapy-induced cognitive impairment. The two primary objectives of this research are: (1) to identify and manage cognitive, primarily executive function, deficits to improve participation after neurological injury; and (2) to investigate the efficacy of self-management education and cognitive-strategy training based interventions to improve health and participation outcomes after neurological injury. Dr. Wolf collaborates with investigators at University of Missouri, Washington University in St. Louis, University of Toronto, St John’s Rehabilitation Hospital (Toronto, ON), and University of Illinois-Chicago.

**Focus Areas:**

Cognition, Occupational Performance, Participation, Neurological Injury
Current Projects:

1. Principal Investigator, Clinical efficacy of self-management intervention post-mild stroke (National Institutes of Health (NIH) (NCMRR/NICHD-1K23HD07190-01)).
   a. The goal of this study is to evaluate if self-management intervention will improve health outcomes and decrease health care utilization for persons with mild stroke.

2. Principal Investigator, The feasibility of using the Menu Task in an inpatient hospital setting.
   a. The goal of this study is to investigate the feasibility of administering a functional cognition screening tool, the Menu Task, in a sub-acute, inpatient orthopedic hospital to individuals having elective orthopedic surgery.

3. Principal Investigator, Occupational therapy cancer registry.
   a. The goal of this project is to create and maintain a registry of patients and data seen for occupational therapy services at University of Missouri Health: Ellis-Fischel Cancer Center.

4. Co-Principal Investigator, Better Living after Stroke through Technology (BLAST) (National Institutes of Health (NIH) (NINR-1R44NR016183-01)-pending). (Dershung Yang, PhD, Principal Investigator).
   a. The goal of this study is to build and test a consumer-oriented self-management tool, BLAST, to help individuals with mild stroke and their family members/caregivers return back to their productive and meaningful lives.

FOR INFORMATION ABOUT PUBLICATIONS AND FUNDING:
https://shp.missouri.edu/ot/viewProfile.php?facultyName=wolf-timothy