The Department of Physical Therapy presents
Pranav Parikh, Ph.D.
Postdoctoral Fellow at Arizona State University

Thursday, December 11th
11:00am-12:00pm
Pharmacy Building, Room 276
Open to all Faculty, Staff & Students

"Neural Mechanisms Underlying Dexterous Manipulation"

Skilled manipulatory behaviors are important for a wide range of activities of daily living (ADL). Neurological disorders or injuries affecting hand control can severely affect quality of life. I will present my research work that uses behavioral and systems level approaches to understand the neural mechanisms underlying the control of finger movements and forces necessary for skillful manipulation in healthy adults. Furthermore, I will discuss how this knowledge can be used to understand sensorimotor deficits in hand control in patients with Alzheimer's disease and Stroke survivors, which will guide the development of strategies to treat their functional impairments.

Dr. Parikh is a faculty candidate in the Department of Physical Therapy