



“What functional MRI tells us about the pathophysiological progression of neurodegenerative disease”



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4:00 - 5:00 pm

Li Ka Shing Center, Room 130

Dr. Madhyastha is developing sensitive methods for quantifying alterations in spatiotemporal dynamics of functional connectivity. She is also interested more generally in modeling task and resting state fMRI to understand the relationship of brain physiology to longitudinal changes in cognition and biomarkers that occur with neurodegenerative disease. She is a co-investigator in the Pacific Udall Center and the University of Washington Alzheimer Disease Research Center, where she is testing whether novel functional neuroimaging measures are more sensitive and informative than existing imaging markers at predicting future cognitive decline. In addition, she is the PI of an R01 that is linked to the Pacific Udall Center that uses EEG and fMRI to assess how functional connectivity differences in Parkinson Disease are related to task performance.

