

Annabelle CHEN

Assoc Prof S.H. Annabel Chen is a faculty member in School of Humanities and Social Sciences since 2008. She received her PhD in Clinical Rehabilitation Psychology from Purdue University at Indianapolis. She worked at the Medical College of Wisconsin as a clinical Post-Doctoral Fellow, Stanford University School of Medicine as a research Post-Doctoral Affiliate, and held a position at the National Taiwan University as an Assistant Professor before joining NTU. She is a clinical neuropsychologist with a diverse background in clinical psychology (licensed in California, USA), and she has worked with both adult and child populations. She has conducted animal drug studies, human clinical, and experimental neuropsychological research, including cognitive rehabilitation. Her research focus is in applying functional neuroimaging to better understand neural systems involved in cognitive processes in normal and clinical adult populations. She has used Positron Emission Tomography (PET) to study patients with post-concussion sequelae from mild traumatic brain injury, and has been involved in functional Magnetic Resonance Imaging (fMRI) research examining language processing, executive functions, and affective memory in healthy and clinical populations (e.g. stroke, anxiety, schizophrenia), as well as, assessing neural systems used in motor timing/timing perception in patients with Parkinson's Disease.

Annabel's main research interests are in clinical neuropsychology and cognitive neuroscience. She uses neuroimaging techniques, such as, fMRI, diffusion MRI and Transcranial Magnetic Stimulation (TMS) to investigate neural substrates possibly involved with higher cognition in the cerebellum. The goal of her research is to apply these paradigms to study the cerebro-cerebellar circuitry in clinical groups, such as mild head injury, dyslexia, autism, and alcoholism. Her other line of research investigates the neural correlates of healthy aging. She is also developing research in normative studies and tasks standardization in clinical fMRI, and has interests with ethical and clinical issues involved with neuroimaging for clinical applications and research.



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