

## EdUHK PS Psychological Science Seminar Series

# Neural Correlates of Strategic Theory of Mind: Understanding Social Interaction through the mPFC

**Date:** 19 Feb 2025 (Wed)

**Time:** 12:00nn - 1:00pm

**Venue:** B2-LP-13



**Prof. ZHEN Shanshan**

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### Abstract:

This seminar will explore the intricate neural mechanisms underlying strategic reasoning in social interactions, with a particular emphasis on the medial prefrontal cortex (mPFC). By examining how individuals represent the mental states of others and predict their behaviors across various scenarios, we aim to illuminate the cognitive processes that enable effective social decision-making. Attendees will gain insights into the role of the mPFC in facilitating strategic theory of mind, highlighting its significance in understanding complex social dynamics.

### Biography:

Prof. Zhen earned her Ph.D. in psychology from the National University of Singapore. Her research encompasses various domains within psychology and cognitive neuroscience, with a particular focus on decision-making and social reasoning across diverse populations, including young adults, children, and subclinical groups. Beyond conducting behavioral studies, she employs model-based neuroimaging techniques, such as fMRI and EEG, along with behavioral economics paradigms, to gain deeper insights into the neurocomputational foundations of human decision-making in social contexts.

Scan to join



### Enquiries

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