



Department of Psychology
The University of Hong Kong

香港大學心理學系

Jan
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Departmental Seminar

CSF Signals in BOLD-fMRI: Noise or Glymphatic Health Markers?



Dr. Zhiying Zhao

Research Assistant Professor
Centre for Cognitive and Brain Sciences
University of Macau

3:00p.m. – 4:00p.m.

Room 1103-1104, 11/F
The Jockey Club Tower
Centennial Campus
The University of Hong Kong

About the talk:

The glymphatic system, a recently identified brain waste clearance mechanism, is increasingly recognized for its critical roles in aging and age-related neurodegenerative diseases. In this talk, I will present findings on impaired glymphatic clearance in frontotemporal dementia and psychosis, revealed through BOLD imaging, and discuss how these deficits contribute to disease hallmarks. I will also discuss the developmental trajectory of glymphatic function across the lifespan and highlight emerging neuromodulatory approaches that may boost clearance efficiency.

About the speaker:

Zhiying Zhao is a Research Assistant Professor at the Centre for Cognitive and Brain Sciences, University of Macau, China. He holds a PhD in Biomedical Engineering and completed postdoctoral training in the Department of Radiology and Biomedical Imaging at Yale University School of Medicine. Utilizing non-invasive imaging techniques in humans, his latest research focuses on understanding the roles of the glymphatic system in neuropsychological conditions and aging.

Zoom Meeting (For participants who couldn't attend the Seminar in person)

<https://hku.zoom.us/j/6985555998?pwd=V05yTGJWNTIzazd2OFZ0Q3FReHVkdz09>

Meeting ID: 698 555 5998 | Password: Psyc

~ All are Welcome ~

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