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OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY
沖縄科学技術大学院大学

VISITING PROGRAM

TSVP TALK

How the Brain Organizes and Reshapes Experience

2026

TUE.

Oct. 20

14:00–15:00

HYBRID L5D23, ZOOM



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The brain does not simply represent and store information as it is received from the external world. In the first part of this talk, I will show how information from different sensory modalities can be represented in a common, supramodal format, and how complex social information can be organized along meaningful neural dimensions. In the second part, I will show that these representations are not stored in a fixed form, but continue to change during memory encoding, consolidation, and retrieval. Together, these findings highlight the flexible nature of neural representations that allows experience to be transformed into memory and used to guide behavior.

Seoul National University

Sue-Hyun Lee

Dr. Lee is an Associate Professor in the Department of Psychology at Seoul National University. Her research focuses on how cognitive information is organized and dynamically reorganized in the human brain, with a particular emphasis on the neural mechanisms of memory. She received her B.S. in Physics from KAIST and Ph.D. in Neurobiology from Seoul National University. Following postdoctoral training at the NIMH/NIH, where she studied neural representations of perception, imagery, and working memory using fMRI, she joined the faculty at KAIST in 2015 and moved to Seoul National University in 2023.

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