

The Dual Nature of Brain Processing: Encoding of External World and Internally Organized Brain Dynamics



Speaker

嶋岡 大輔

SHIMAOKA Daisuke

Monash University

Abstract Understanding how the brain combines external sensory information with internally generated signals to produce conscious experiences is a fundamental question in sensory neuroscience. In this presentation, I will discuss my research focusing on these two key aspects of brain processing. First, I will present my data-driven modeling approach employing naturalistic stimuli and behaviors to uncover encoding properties. I will then discuss my previous study on spatiotemporal order in ongoing brain activity, contingent upon the animal's brain state. By investigating these aspects, we can gain insights into the input-output relationship of the brain, ultimately advancing our understanding of conscious experience.

講演日時

2023年 8月4日(金) 17:00-18:30

言語

英語

講演場所

【ハイブリッド】北海道大学 人文・社会科学総合教育研究棟 (W棟) W408号室 (登録不要) およびZoomによるオンライン配信 (要登録)

登録はこちらから



主催：人間知・脳・AI研究教育センター(CHAIN)

問い合わせ先：office@chain.hokudai.ac.jp

