

# FRIS/TI-FRIS

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## Hub Meeting

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## Neurotranslational research for empowering the mind/brain: circuit- and frequency-specific mechanisms for precise neuromodulation

Summary

\*Language: English

Research on the neural basis of low- and high-order cognition has become a significant area due to advancements in neuroscience techniques, computational tools, and its clinical relevance. This is particularly important given the rising prevalence of neurodegenerative, neuropsychiatric, and neurodevelopmental disorders, such as Alzheimer's, schizophrenia, depression, and more. The goal of my research is to develop evidence-based treatment strategies to empower the mind/brain using innovative neuromodulation approaches. In this hub meeting, I will introduce the concepts of non-invasive and minimally invasive neuromodulation protocols tailored to specific circuits and frequencies to enhance social-cognitive functioning. By investigating the nuanced information transmission pathways and the natural frequency of individual brains, I will show how this knowledge can optimize treatment efficiency and guide precise neuro-translational research.

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11:00 -12:00



参加登録