



JOHNS HOPKINS  
SCHOOL of MEDICINE

# JHU・FHU特別講演会

## Comprehensive Medical Sciences

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11月1日(火) 18:00~19:30(質疑応答含む)

※本講演会は英語で実施されます。



# The role of brain stimulation and motor learning on recovery after stroke

Motor learning, defined as a long lasting behavioral change in the motor domain, has been considered critical to recover motor function. However, recovery of function at the level of the individual and recovery of neurological function are distinct elements that might be affected differently by motor learning. In addition, recent studies indicate that motor learning is not just one process but is actually formed by multiple different forms of learning.

In this talk, I will describe the relationship between motor learning and motor recovery. I will also present research results in healthy and stroke patients indicating that motor learning is formed by different process, each with distinct neural substrates and physiological mechanisms. Finally, I will present a recent study demonstrating the benefits and limitations of motor learning in stroke patients.

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