Neural mechanisms of supervised versus reinforcement motor learning

Dr. Sungshin Kim

Center for Neuroscience Imaging Research
Institute for Basic Science
Sungkyunkwan University

Abstract:
In this seminar, I compare and contrast supervised learning and reinforcement learning and present a fMRI study for each type of learning. For the former, I introduce simple computational models for motor adaptation with multiple time scales and present a fMRI study based on the model. For the latter, I present a de novo motor skill learning task for fMRI experiment recently developed in my lab. Lastly, I briefly introduce other ongoing studies and future research related with motor learning & memory in my lab.

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