



ONSA/CBIR セミナー

## Output organization of the cerebellum that supports its diverse functions

演者

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日時

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会場

M&D タワー21階 大学院講義室1

講演要旨

The lecture is in English, only on-site.

The cerebellum plays a pivotal role in modulating a diverse array of brain functions, and its disturbance is implicated in a range of neurological and psychiatric disorders. Although these concepts are well-established both functionally and clinically, the understanding of underlying neuroanatomical models is still scattered. To develop novel circuit frameworks for cerebellar output functions, we focus on segregated input-output connectivity in the cerebellum that derives from molecular and anatomical distinctions in the cerebellar output nucleus neurons.

I present the parallel and modular circuit organization of the cerebellum. I aim to illuminate how the cerebellum orchestrates a multitude of brain functions, encompassing motor control, autonomic regulation, arousal, and cognitive processes. I hope this presentation serves as a valuable opportunity for audiences from diverse backgrounds to gain updated insights into cerebellar anatomy and its multifaceted functions.

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