Special Issue on
Neurorehabilitation in Neurological Disease: An Electrophysiological Approach

CALL FOR PAPERS

Motor, cognitive, and behavioral effects can be assessed by means of electrophysiology, for example, EEG, EMG, MEG, or single cell recording. They can reflect the real-time status inside the brain or cells and may shed some light on the mechanisms underlying neuronal plasticity change to ultimately improve the treatment of patients with neurological diseases. Furthermore, various neurological/psychiatric diseases may result in changes in the brain which can be evaluated by electrophysiological measures. In particular, body representation or how sensory and motor information is stored in the brain may change dynamically according to the disease stat, and thus, knowing such changes might offer potential for an innovate new strategy for neurorehabilitation.

This special issue aims to provide an opportunity to discuss current research on these topics and perspectives on electrophysiology with a specific focus on neurorehabilitation. We are encouraging investigators to submit original research papers and review articles on these topics.

Potential topics include but are not limited to the following:

- Rehabilitation in the modulation of neuroplasticity
- A new rehabilitation strategy based on body representation model
- Innovative rehabilitation program based on body representation model and neuronal plasticity
- Methods of enhancing brain plasticity underlying body representation
- Integrating rehabilitative prognosis markers with a model of the body representation
- Sensory experience and neuronal plasticity
- Differential regulation of body representation for developmental and adult plasticity

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/np/nndt/.

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