

Special Issue on **Neurorehabilitation: Neural Plasticity and Functional Recovery 2018**

CALL FOR PAPERS

Recent developments in neurorehabilitation techniques (e.g., brain machine interface, robotics, noninvasive brain stimulation, functional electrical stimulation, task-oriented training, and constraint induced movement therapy) provide remarkable functional recovery associated with neural plasticity in patients with central nervous system (CNS) lesion. Thus, neurorehabilitation may offer promising methods to induce functional neural plasticity.

Advanced neurophysiological and neuroimaging techniques provide new insight into the recovery process in neurological disorders, especially those involving the central nervous system.

This special issue will present and discuss the efficacy and mechanism by which neurorehabilitation can induce neural plasticity and functional recovery.

Potential topics include but are not limited to the following:

- ▶ Neurorehabilitation following stroke, spinal cord injury, and other neurological disorders
- ▶ Mechanisms underlying neurorehabilitation-mediated recovery
- ▶ Restoration of gait function
- ▶ Rehabilitation for cognitive function, including visuospatial neglect
- ▶ Aphasia: therapeutic approach and the mechanism of functional recovery
- ▶ The mechanism of functional recovery in neurological disease
- ▶ Noninvasive brain stimulation
- ▶ Brain imaging
- ▶ Newly developed technology for neurorehabilitation (robotics, brain machine interface, artificial limb, and electrical/magnetic stimulation)

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/np/nnpfr18/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 23 February 2018

Publication Date

July 2018