

Special Issue on **Neural Plasticity Mechanisms Underlying Nonpharmacological Interventions for Cognition and Behavior in Neurological and Neuropsychiatric Disorders**

CALL FOR PAPERS

New nonpharmacological interventions in patients with neurological and neuropsychiatric disorders have shown important cognitive and behavior improvements related to synaptic plasticity changes in the underlying brain mechanisms. This special issue will present evidence of the efficacy and neural plasticity mechanisms of nonpharmacological cognitive and behavior interventions in patients with acquired brain injury and neurodegenerative and neuropsychiatric disorders.

We invite investigators to contribute with original research articles as well as review articles that focus on the underlying cognitive, behavior, and brain mechanisms of nonpharmacological interventions including cognitive rehabilitation, training or remediation, and noninvasive brain stimulation such as transcranial magnetic, electrical, or infrared light stimulation. The underlying brain plasticity mechanisms can be examined by magnetic resonance imaging (functional and/or structural MRI), positron emission tomography (PET), near infrared spectroscopy, electroencephalography (EEG), or magnetoencephalography (MEG).

Potential topics include but are not limited to the following:

- ▶ Synaptic plasticity changes in cognitive training, rehabilitation, or remediation of patients with neurological and psychiatric disorders (acquired brain injury and neurodegenerative, neurodevelopmental, or neuropsychiatry disorders) measured with neuroimaging methods
- ▶ Cortex plasticity changes in neurological and psychiatric patients after noninvasive brain stimulation

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

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

Lead Guest Editor

Eliane C. Miotto, University of Sao Paulo, Sao Paulo, Brazil
ecmiotto@usp.br

Guest Editors

Benjamin M. Hampstead, University of Michigan, Ann Arbor, USA
bhampste@med.umich.edu

Sharon S. Simon, University of Sao Paulo, Sao Paulo, Brazil
sharon.sanzsimon@gmail.com

Paulo S. Boggio, Mackenzie University, Sao Paulo, Brazil
paulo.boggio@mackenzie.br

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