

Special Issue

Non-invasive Neuromodulation for Brain Function: Past, Present and Promise

Message from the Guest Editor

Neuromodulation is an expanding technique integrating medicine, biology, and engineering, including non-invasive and invasive methods. Among them, the former has the advantage of being efficient and safe and is applied in neuropsychiatry therapy. Non-invasive neuromodulation can regulate the neural activity of the brain to affect brain functions including cognition, emotion, social behavior, and so on. The main intervention types include transcranial electrical stimulation, transcranial magnetic stimulation, transcranial ultrasound stimulation, etc. Over the past twenty years, non-invasive neuromodulation has played an increasingly important role in the treatment of many neuropsychiatric diseases, such as depression, Parkinson's disease, Alzheimer's disease, schizophrenia, and vascular dementia.

This Special Issue aims to present a collection of studies detailing the most recent advancements in the field of non-invasive neuromodulation for brain function. We welcome original research papers, theoretical and methodology papers, and review papers describing the generation, use, and knowledge translation of non-invasive neuromodulation.

Guest Editor

Dr. Jiajia Yang

1. School of Precision Instruments and Optoelectronics Engineering, Tianjin University, Tianjin 300372, China
2. Academy of Medical Engineering and Translational Medicine, Tianjin University, Tianjin 300372, China

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

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