

Special Issue

Brain Plasticity in Health and Disease

Message from the Guest Editor

The brain structure and function are continuously remodeled by plasticity, a process that confers the brain the remarkable ability to adapt and rewire during neurodevelopment, in adulthood and following pathological damage. Plasticity manifests at different scales, from synapses to microcircuits and large-scale networks. It actively shapes learning and memory, contributes to brain development and ensures the maintenance of neural homeostasis. In this Special Issue, we delve into the plastic processes, shedding light on how it evolves in physiological and pathological conditions. The Special Issue integrates observations spanning the molecular, cellular and system levels, and covers the latest research in neurophysiology, neuroimaging and computational modeling. We cordially invite you to participate in this Special Issue by presenting your most recent research on this topic. We welcome experimental papers, up-to-date review articles and commentaries. Dr. Pawan Sirwan Faris

Guest Editor

Dr. Pawan Faris

1. Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy
2. Department of Biology, College of Science, Salahaddin University-Erbil, Erbil, Iraq

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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