



Heart-Brain Interaction: Atrial Fibrillation and Stroke

Guest Editors:

Prof. Dr. Tihamér Molnár

Department of Anaesthesiology
and Intensive Care, Medical
School, University of Pecs, 7624
Pecs, Hungary

Dr. Giovanna Mercurio

Fondazione Policlinico
Universitario Agostino Gemelli
IRCCS, 00168 Rome, Italy

Deadline for manuscript
submissions:

closed (15 May 2024)

Message from the Guest Editors

Dear Colleagues,

The interaction between the heart and the brain is complicated and closely interconnected. In considering the impact of cerebrovascular disease on patients' wellbeing and health resources, the molecular and pathological mechanisms underlying heart–brain interaction need to be further investigated. A well-established association between the heart and the brain is represented by cardiac embolisms, which account for a large porportion of all ischemic strokes. Atrial fibrillation (AF) is the most relevant risk factor for cardiac embolisms and a leading cause of ischemic stroke, heart failure and sudden death. Consequently, a more comprehensive understanding of its association with cerebrovascular disease is also needed. For this Special Issue, we invite submissions including research articles, reviews and communications on a wide range of topics. Submissions of interdisciplinary or multi-modal research papers regarding the mechanisms of brain–heart interaction are particularly welcomed.

Prof. Dr. Tihamer Molnar

Dr. Giovanna Mercurio

Guest Editors





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI