

Special Issue

Molecular Mechanisms Underlying the Interaction between Mental Health and Cardiovascular Disease

Message from the Guest Editors

Neurocardiology is an emerging specialty that addresses the bidirectional interaction between brain and heart. Accumulating clinical and experimental evidence has shown that the concomitant presence of neuropsychiatric and cardiovascular diseases worsens the patient clinical prognosis. Similarly, a mutual relationship between brain damage and heart dysfunction was found, suggesting a cross-talk between the nervous and the cardiovascular systems.

This Special Issue will cover the (patho)physiological interplays of the nervous and cardiovascular systems, focusing on cellular and molecular mechanisms underlying the cross-talk between brain and heart (dys)functions. Particular emphasis will be given to the role of soluble factors in these processes, as well as the impact of genetic and epigenetic modifications and the effect of therapeutic approaches able to modify these comorbidities. Papers analysing the impact of sex-difference in the pathogenesis of cardiovascular, neurodegenerative and/or neuropsychiatric disorders comorbidity are strongly encouraged. Finally, papers describing new animal models, technical methods, and the development of ex-vivo approaches will be considered.

Guest Editors

Dr. Silvia Stella Barbieri

Unit of Head of Brain-Heart Axis: Cellular and Molecular Mechanisms, Centro Cardiologico Monzino IRCCS, Via C. Parea, 4_20138 Milano, Italy

Dr. Alessandro Ieraci

Department of Pharmaceutical Sciences, University of Milan, Via Balzaretti 9, 20133 Milano, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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