

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

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Deadline for manuscript submissions

closed (31 October 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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