

Special Issue

Gender Related Molecular Mechanisms in Neurological Disorders

Message from the Guest Editor

Sex differences represent key issues in understanding clues of pathological mechanisms in neurological diseases. Sex differences have been reported for instance in several molecular and biochemical pathways (like oxidative stress). Oxidative stress mechanisms are reported to be higher in men than in women. Hormonal aspects have been usually considered the major drivers of sex differences in neurological diseases but, more recently, other pathways such as post genomic or epigenomic modification seem to give a considerable contribution. The purpose of this Special Issue of *IJMS* is to explore how sex and gender issues may act in influencing molecular pathways of neurological disorders and of neurodegeneration, in order to understand clues about the pathology underlying neurodegenerative processes. This Special Issue will provide an opportunity to cover studies considering animal models, biochemical and/or experimental studies investigating molecular pathways, or reviews exploring molecular and pathogenic mechanisms revealing new insights into the comprehension of the pathophysiological modification associated with the effects of sex and gender on neurological diseases.

Guest Editor

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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.

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