

Special Issue

Brain Diseases: on Signaling Pathways and Miswired Networks

Message from the Guest Editor

The purpose of this Special Issue entitled “Brain Diseases: on Signaling Pathways and Miswired Networks” is to discuss some of the recent advances in the use of genetic technology in the discovery of different interplayed/novel signaling pathways implicated in the altered neuronal networks involved in the pathogenesis of intellectual disabilities (IDs: Down/Rett/ Fragile X or DiGeorge syndrome) and various neurodegenerative diseases (NDs: Alzheimer’s/Parkinson’s/Huntington’s/Creutzfeldt–Jacob/Pick/ALS disorders), but not limited to these.

This Special Issue welcomes review/original manuscripts highlighting the molecular mechanisms and/or the multi-omics analyses of genetic-rejuvenation/-protection/-treatments of ID/ND using in vitro cultured cells, in vivo animal models, and in clinical settings. These approaches may provide novel/good references for future network studies and treatment as well.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)



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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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