Special Issue

Molecular Research on Rett Syndrome and Related Disorders: From the Past Towards the Future

Message from the Guest Editors

Dear Colleague, Dramatic progress has been made since the *MECP2* gene was discovered as the main cause of Rett syndrome, providing geneticists with molecular diagnostic tools and researchers with a plethora of animal models and molecular pathways that might be relevant for treatments. Importantly, several laboratories have been able to demonstrate that Rett syndrome, and possibly related disorders, are not irreversible conditions, at least in mice. This has boosted research on the pathophysiology of these diseases, the biological roles of the involved genes, and the identification of the affected molecular pathways. Despite this enormous acceleration of research in Rett syndrome and related disorders, no cure is still available. Considering all of the above, we would like to invite original articles or reviews that focus on genes involved in Rett syndrome and related disorders, including *MECP2, CDKL5,* and *FOXG1*, and highlight deregulated molecular mechanisms, their potential involvement in the pathophysiology, and their therapeutic value.

Guest Editors

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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.

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