Special Issue

Molecular Factors of Intellectual Disability Syndromes

Message from the Guest Editors

In recent decades, mutations in a large number of genes have been identified, leading to autosomal-dominant, autosomal-recessive and X-linked intellectual disability (ID) syndromes. Together with ground-breaking biochemical work, this has revealed a network of genes involved in ID. Modern technology, including genome editing and cell reprogramming, shed further light on the physiological function of the genes involved, as well as on the patho-mechanisms underlying syndromic ID. The question of the mechanisms behind the clinical variability of ID syndromes adds a further dimension to the problem. Deep understanding of the patho-mechanistic connections is fundamental for an improvement of diagnostics and prognosis of ID syndromes as well as the development of causative therapies. In this Special Issue, we are looking for articles on the molecular factors of ID, their interconnection and their patho-mechanistic contribution. We particularly welcome work that has the potential to either improve diagnosis and prognosis or pave the way for experimental therapies.

Guest Editors

Dr. Vera Kalscheuer
Max Planck Institute for Molecular Genetics, 14195 Berlin, Germany

Prof. Dr. Susann Schweiger
Institute for Human Genetics, University Medical Center Mainz, 55131 Mainz, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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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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