Special Issue

Myotonic Dystrophy: From Molecular Pathogenesis to Therapeutics

Message from the Guest Editor

Myotonic dystrophies (DM) type 1 and type 2 are complex genetic diseases affecting many tissues, including the skeletal muscle, heart and brain. DM1 and DM2 are caused by unstable expansions of CTG (DM1) and CCTG (DM2) repeats. Both diseases do not have a cure. The molecular studies of DM identified the major mechanisms for these disorders, associated with the toxic effects of the mutant RNAs, containing long CUG and CCUG repeats. However, the mutant RNAs in DM1 and DM2 might affect additional intracellular pathways, increasing the complexity of molecular pathogenesis. This Special Issue will summarize findings describing the molecular mechanisms of DM1 and DM2 and will discuss how these advances can be used for the development of the clinical studies in DM1 and DM2. For further reading, please visit the *Special Issue Website*.

Guest Editor

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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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