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# Molecular Basis of Neuromuscular Diseases 2.0

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Deadline for manuscript submissions:
**closed (15 January 2024)**

## Message from the Guest Editors

Dear Colleagues,

Neuromuscular diseases (NMDs) are caused by impaired muscle function, with many different forms that vary in their onset, severity, and prognosis. NMDs can be classified into hereditary or acquired disorders with sensory impairments, motor deficits, or both. Muscle damage generally involves muscle weakness and fatigue, and it can be linked to motor neuron diseases, peripheral neuropathy, neuromuscular junction disorders and myopathy. These alterations can be determined by the pathologies of the muscles or by alterations in the nerves or neuromuscular junctions. Furthermore, NMDs can also cause age-related neurodegenerative disorders. To date, many neuromuscular diseases have no cure and their pathogenesis is not well-known.

The Special Issue will focus on molecular foundations and metabolic alterations that underlie neuromuscular pathologies. Original articles and reviews with a particular focus on the pathophysiology of muscular diseases, prognostic and diagnostic biomarkers of NMDs, as well as the use of non-mammalian models (i.e., Caenorhabditis elegans and Drosophila melanogaster) to investigate neuromuscular pathologies, are very welcome.

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