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Molecular Insights into Pathogenesis and Therapy of Muscular Dystrophies

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

Muscular dystrophies (MDs) are genetic disorders characterized by progressive muscle weakness and degeneration. This Special Issue focuses on the following topics:

The application of omics approaches to gain molecular insights into the pathogenesis of muscular dystrophy and exploring novel therapeutic strategies for intervention.

Gene-based therapies.

Small molecules and pharmacological therapies targeting inflammation, fibrosis, and disease-associated pathways.

Stem cell and regenerative therapies.

RNA-based therapies and epigenetic modifiers.

Secretome and extracellular vesicles investigations in order to target the communication networks and molecular signaling involved in MD pathogenesis.

Personalized medicine and translational perspectives emphasizing the importance of genetic profiling and precision medicine in tailoring treatment strategies.

This Special Issue is assisted by our Topical Advisory Panel Member Dr. Martina Sandoná (Foundation Santa Lucia).

Dr. Valentina Saccone
Guest Editor

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Message from the Editor-in-Chief

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