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Amyotrophic Lateral Sclerosis as a Systemic Disease 2.0

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Amyotrophic lateral sclerosis (ALS) is a lethal neurodegenerative disease affecting both the upper and lower motoneurons, which leads to a progressive paralysis of the voluntary muscles. Despite being studied for decades, ALS etiology, diagnosis and pathogenesis remain largely unclear. The only pharmacological option approved (i.e., riluzole) provides only a slight increase in life expectancy, despite presenting numerous side effects. Cross-talk between different types of cells and retrograde signals, from peripheral tissues to the central nervous system, are emerging as essential contributors to the ALS process.

In this Special Issue, we aim to collect new findings underlying ALS etiology and diagnosis, including the search for reliable biomarkers. Special attention is pointed towards new frontiers of targeting and multidisciplinary approaches to counteract ALS progression, including cell-based research and therapy, nutritional intervention to counteract altered body and muscle metabolism, gastrointestinal status and microbiota.

Dr. Viviana Moresi
Guest Editor

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Message from the Editor-in-Chief

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