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## From the Neuromuscular Junction to the Single Fiber: Muscle Plasticity in Metabolic Disorders and Aging

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Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editors

Dear Colleagues,

Skeletal muscle represents the largest human organ (> 40% of body mass), responsible for a myriad of functions spanning from locomotion, metabolic regulation, heat transfer and endocrine functions, just to name a few. It goes without saying that any alteration in this organ will impact the health and the quality of life of the affected individual. Aging, for instance is characterised by a decline in muscle mass and function (sarcopenia) which in some individuals could become extreme, which is a condition known as frailty and is associated with a variety of health problems and reduced life expectancy. Interestingly, the metabolic disorder Diabetes mellitus (DM) can induce specific damage at the level of skeletal muscle. This Special Issue will integrate new knowledge about muscle regulation in response to aging and DM, considering, transcription, RNA processing and translation, cytokine signalling and exercise responses.

For further reading, please visit the [Special Issue website](#).



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**Special** Issue



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