Special Issue

Signaling Dysfunctions During Muscle Repair

Message from the Guest Editors

Satellite cells are activated and initiate the myogenic program to allow for complete repair of injured skeletal muscle. The activation of satellite cells is dependent upon the orchestration of various signaling pathways. The purpose of this Special Issue is to publish a collection of manuscripts that discuss how perturbation to skeletal muscle (from overload, unloading, disease, and aging) affects the orchestration of signaling pathways important for muscle repair. The topics should cover the following aspects:

- The effect of exercise on skeletal muscle repair/myogenesis;
- The effect of unloading (bedrest or microgravity) on skeletal muscle repair/myogenesis;
- The effect of cancer on skeletal muscle repair/myogenesis;
- The effect of cardiovascular disease on skeletal muscle repair/myogenesis;
- The effect of diabetes on skeletal muscle repair/myogenesis;
- The effect of obesity on skeletal muscle repair/myogenesis;
- The effect of aging on skeletal muscle repair/myogenesis.

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About the Journal

Message from the Editor-in-Chief

Muscles is a publishing platform that promotes discoveries related to the realm of neuromuscular disorders (genetic and acquired neuromuscular disorders in man) and relevant cell and animal models. The journal aims to be a publishing venue that disseminates scientific papers with emphasis on multidisciplinary approaches to understand the complexities and interactions occurring on a variety of metabolic, endocrinological and neurogenic disorders. Papers on sarcopenia, exercise and atrophy/hypertrophy of muscles will be given space and attention, as will clinical trials and possible pharmacological interventions. A rapid turnaround time and full open access provide the opportunity to make research results immediately available to scientific communities and the general public.

Editor-in-Chief

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