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Muscle Hypertrophy and Regeneration: Effect of Exercise

Guest Editor:

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Deadline for manuscript submissions:

closed (9 June 2023)

Message from the Guest Editor

Dear Colleagues,

Various types of exercise may provide signals to the muscle to hypertrophy in response to loading or become stronger. Three main signals for hypertrophy are tension, damage, and metabolic stress. Mechanical tension appears to be the leading driver of hypertrophy. In response to mechanical loading, muscle damage often accompanies unfamiliar exercises in the early stages of training. Different forms of exercise have the ability to cause muscle damage based on the exercises chosen or various executions of those exercises. This may be relevant for athletes and clinical populations as practitioners should be aware of how to alter functional parameters while inducing or reducing muscle damage as necessary. This has the potential to benefit athletes in sporting performance or help individuals within rehabilitation to return to daily activities. Finding the optimal loading for various populations is of importance to improve the efficiency and of different efficacy training protocols. investigating muscle hypertrophy, hypertrophy training studies, and/or studies investigating muscle damage are invited for this Special Issue.

Dr. Christopher Taber Guest Editor



Specialsue





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Editor-in-Chief

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Message from the Editor-in-Chief

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