



## Exercise Science Animal Model

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (10 June 2022)**

### Message from the Guest Editor

Dear Colleagues,

Animal models have been used widely in exercise science research in both health and disease conditions. In animals, investigating the mechanistic bases for cellular response and adaptation to exercise, which is limited in human studies, helps to unveil the cause and process of biological phenomena, such as aging, obesity, cancer, and other diseases. This Special Issue aims to address current views of animal models that investigate the muscular, cardiovascular, and metabolic aspects of exercise and scrutinize the underlying mechanisms of sarcopenia, frailty, obesity, diabetes, cancer, and other chronic diseases. Papers are invited that investigate up-to-date exercise protocol, mode, and intervention, focusing on the latest scientific outcomes and their associated mechanisms. Possible topics may include studies on molecular and cellular regulation, muscular structure and function, reactive oxygen species, inflammation, protein synthesis/degradation, and muscle metabolism. Case studies or preliminary studies using novel exercise technologies in rodents or large animals are also very welcome.

Prof. Dr. Jong-Hee Kim

*Guest Editor*





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## Message from the Editor-in-Chief

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