

Special Issue

Advances in Skeletal Muscle

Message from the Guest Editors

We invite you to contribute to a Special Issue of the journal *Applied Sciences*, “Advances in Skeletal Muscle”, which aims to present recent advancements of epigenome analysis in the field of skeletal muscle. Skeletal muscle is essential for the movement of organisms. Today, interest in muscle research is increasing with the growth of the elderly population, and it is important to study muscles from various points of view, such as development, metabolism, physiology, and pathology. The epigenome provides a basis of transcription via chemical modification of DNA and histones and acts as a cellular memory, regulating a wide range of organism activity. Several applications have already been developed for epigenetic analysis, such as ChIP-seq, ATAC-seq, mass-spectrometry, and epigenome editing. These tools are also applicable to skeletal muscles with appropriate adaptation to skeletal muscle traits. We thus invite you to submit your research on these topics, in the form of original research papers, mini-reviews, and perspective articles. Dr. Iori Sakakibara

Guest Editors

Dr. Iori Sakakibara

Department of Nutritional Physiology, Institute of Medical Nutrition,
Tokushima University Graduate School, Tokushima 7708503, Japan

Dr. Shinichiro Hayashi

Department of Neuromuscular Research, National Institute of
Neuroscience, National Center of Neurology and Psychiatry, Tokyo 187-
8502, Japan

Deadline for manuscript submissions

closed (31 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/52018

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://www.mdpi.com/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)