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Advances in Skeletal Muscle

Guest Editors:

Dr. Iori Sakakibara
Department of Nutritional Physiology, Institute of Medical Nutrition, Tokushima University Graduate School, Tokushima 7708503, Japan

sakakibara.iori@ tokushima-u.ac.jp

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

shinhayashi@ncnp.go.jp

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Message from the Guest Editors

Dear Colleagues,

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
Dr. Shinichiro Hayashi
Guest Editors