

## Special Issue

# Cellular Mechanisms of Physical Stimulation

### Message from the Guest Editor

Many investigators have studied various stem-cell therapy techniques for diseases that are difficult to treat with drugs. Therefore, many in vitro and pre-clinical studies as well as clinical studies are under way to clarify their efficiency and regenerative effects.

Various bioreactors and devices have been developed to improve cell differentiation and activity,

such as the electromagnetic field, electrical stimulation, ultrasound, mechanical stimulation, the light-emitting diode (LED), and low-level laser therapy (LLLT). Furthermore, these devices have been developed into physical therapy devices and have been applied in vivo as well as in vitro.

Therefore, for this Special Issue, entitled "Cellular Mechanisms of Physical Stimulation", we would like to invite relevant studies on the mechanisms of promoting cell differentiation or activity and maximizing the therapeutic efficiency of cells injected into the in vivo environment through combining physical stimulation techniques and various cell therapy technologies.

We hope you find this an exciting and unique opportunity to contribute to this research area by publishing in *Biomedicines*.

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### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2022)



## Biomedicines

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### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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