

# Special Issue

## Mechanobiology 2.0

### Message from the Guest Editor

The field of mechanobiology has recently emerged at the interface of biology, medicine, biophysics, and bioengineering. In general, it refers to the study of how biological components such as cells, tissues, and organs perceive and respond to mechanical cues to regulate various biological processes, such as development, differentiation, physiology, and disease. This Special Issue aims to gather and present original reports, scientific articles, communications, and reviews discussing the latest advances in the field of mechanobiology in all its facets. Topics include, but are not limited to, the following: mechanobiology in stem cells; mechanobiology in cancer; mechanobiology in physiology; mechanobiology in the nucleus (e.g., nuclear mechanics, gene/genome regulation); mechanobiology in tissue development and homeostasis; mechanobiology in health and disease; mechanobiology in plants; cellular mechanosensing, mechanotransduction, and mechanoresponse; biomechanics; innovative approaches to mechanobiology research.

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### Guest Editor

Dr. Tae-Jin Kim

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### Deadline for manuscript submissions

closed (31 December 2024)



## Biology

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### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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