



biology



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Mechanobiology 2.0

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Message from the Guest Editor

Dear Colleagues,

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 mechanoreponse; biomechanics; innovative approaches to mechanobiology research.

Dr. Tae-Jin Kim

Guest Editor



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