Special Issue

Stem Cell Signaling 2.0

Message from the Guest Editor

Thanks to technical advances in culture and differentiation of a number of different stem cells, the self-renewal and differentiation potential—which define the properties of stem cells—have been explored through their epigenetic regulation, transcriptional networks, and signaling pathways. This Special Issue of Biomedicines focuses on recent advances in understanding the underlying mechanisms of pluripotency, self-renewal, lineage differentiation, cellular reprogramming, regeneration, and related diseases. We encourage authors to submit original research and review articles that focus on the various biological features and underlying mechanisms of both pluripotent stem cells and somatic stem cells. Potential topics include but are not limited to: The mechanism of pluripotency maintenance;
The mechanism of cellular reprogramming or cellular plasticity;
The mechanism of lineage determination or differentiation;
The mechanism of stemness (or self-renewal) maintenance or regeneration;
The mechanism of stem cell aging;
The mechanism of embryo development;
Conversion between naïve and primed pluripotency.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2022)

Biomedicines

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Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/114068

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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.

Editor-in-Chief

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