

Special Issue

Disease-Focused Research Using Stem Cells 2.0

Message from the Guest Editor

With advances in stem cell technologies, as well as with the recent availability of genome editing technologies, we can generate more complex and phenotypically accurate cellular models based on stem cells.

Reprogramming technology, in particular, which can generate iPS (induced pluripotent stem) cells or directly transdifferentiated cells, enables us to recapitulate patients' symptoms in vitro in cultured cells and/or in vivo in transplanted model animals. This opens new and exciting opportunities for stem cell utilization in early discovery, preclinical and translational research in drug development, and cell therapy.

This Special Issue of *Biomedicines* focuses on recent advances in disease modeling and regenerative medicine using stem cells. The goal is to demonstrate the conceptual and practical advances in order to expand the applications in this exciting field.

Guest Editor

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About the Journal

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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