

## Special Issue

# The Promise and Challenge of Induced Pluripotent Stem Cells (iPSCs)

### Message from the Guest Editor

The development of iPSC technology has ushered in a revolutionary new era for studying diseases and developing therapies. One quickly evolving field of iPSC technology is the development of human-based in vitro disease models by utilizing patient-iPSCs or those generated by CRISPR/Cas9 gene editing. Another is for regenerative medicine, such as autologous or allogenic cell therapy, although they are still challenged by the high standard requirements for quality control. In summary, iPSC technology, with the assistance of other technologies, holds great promise for tackling human diseases. In this Special issue, studies in all the fields of iPSC technology are invited, from stem cell generation and differentiation to disease modeling and stem cell therapy; progress or challenges encountered; and in vitro or in vitro. Studies reporting breakthrough discoveries in the scientific understanding of iPSC or technological developments will be particularly encouraged. Both research articles and reviews are welcome.

### Guest Editor

Dr. Xiufang Guo

1. NanoScience Technology Center, University of Central Florida, 12424 Research Parkway, Suite 400, Orlando, FL 32826, USA
2. Burnett School of Biomedical Sciences, College of Medicine, University of Central Florida, Orlando, FL 32816, USA

### Deadline for manuscript submissions

closed (30 April 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomedicines@mdpi.com](mailto:biomedicines@mdpi.com)

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*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

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA

2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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