

## Special Issue

# Advancements in Induced Pluripotent Stem Cells

### Message from the Guest Editor

Since the creation of induced pluripotent stem cells (iPSCs), by the Nobel Prize laureate Dr. Shinya Yamanaka, many laboratories worldwide are working to generate and apply these cells to the investigation of the ethiopathogeny behind diseases and the search for new therapies against them. The aim of this Special Issue is to collect high-quality papers, fully dedicated to iPSCs and their applications, from top experts in this field. We particularly encourage researchers to submit comprehensive review papers and original articles that showcase the latest advancements in this area. By doing so, we aim to create a collection of high-quality papers that explore the potential of iPSCs and shed light on their diverse applications in addressing various challenges in medical research and treatment.

- induced pluripotent stem cells
- organoids
- tissue engineering
- biomaterials
- reprogramming
- iPSC-based cell modelling
- cell therapy
- microfluidics
- drug discovery

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### Guest Editor

Dr. M. Esther Gallardo

Head of Translational Research with iPS Cells Group, Research Institute Hospital 12 de Octubre, i+12, Madrid, Spain

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### Deadline for manuscript submissions

31 August 2025



## Biomedicines

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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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### Editor-in-Chief

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