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Pluripotent Stem Cells: Current Applications and Future Directions

Guest Editor:

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Deadline for manuscript
submissions:

closed (25 February 2025)

Message from the Guest Editor

Dear Colleagues,

Pluripotent stem cells (PSCs) are one of the most versatile stem cells that can differentiate into multiple cell types. PSCs, including both embryonic stem cells and induced pluripotent stem cells, have been differentiated into all three germ layers: ectoderm, mesoderm, and endoderm. PSCs can be used to derive three-dimensional models of organs called organoids, which can replicate the architecture and function of the organs. Compared to the traditional cell culture approach, these organoids provide a more physiologically relevant platform, allowing researchers to study complex diseases as well as screen drugs. PSCs have contributed significantly in advancing tissue engineering with the future possibilities of personalized medicine. This Special Issue will feature articles providing insights into the ongoing research showcasing the pluripotent stem cells' potential in diverse therapeutic applications across various fields.



mdpi.com/si/194862

Special Issue



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Message from the Editorial Board

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