

Special Issue

Stem Cells in Health and Disease: 3rd Edition

Message from the Guest Editor

In recent years, our knowledge about the dual role of stem cells in health and disease has increased significantly. However, the biological and molecular mechanisms of this double function are yet to be fully understood. This Special Issue aims to highlight stem-cell biology in both physiological and pathological conditions, thus expanding the current knowledge and boosting innovative diagnostic and/or therapeutic applications. Original and review articles, including basic studies, are all welcome for consideration. Research topics may include (but are not limited to) the following:

- Molecular and cellular mechanisms governing stem-cell physiology, i.e., self-renewal signaling pathways, differentiation, and metabolic plasticity;
- Microenvironmental regulators of stem-cell plasticity and mutual interconversion between healthy and non-healthy stem cells;
- Cancer stem cell (CSC) involvement in tumor progression and molecular drivers and mechanisms underlying CSC therapy resistance;
- Therapeutic application of stem cells in experimental settings.

Guest Editor

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Message from the Editor-in-Chief

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