



Stem Cell Regenerative Medicine: From Molecular Basis to Translational Research

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 March 2025)

Message from the Guest Editor

Dear Colleagues,

Stem cells are a rare subpopulation defined by the potential to self-renew and differentiate into specific cell types. The functional distinction between stem and progenitor cells is well-established in several tissues, particularly in the blood.

We encourage the submission of original full research papers as well as review articles dealing with novel mechanistic insights and details of the molecular signatures of stem cell biology. Topics include, but are not limited to, the following:

New insights into the molecular mechanisms of stem cell biology;

Stem cell emerging technologies (e.g., bioinformatics, proteomics, metabolomics, tissue arrays, imaging);

New molecular biomarkers and profiling of cancer stem cells: diagnosis, prognosis, stratification and efficacy;

Molecular interactions in the niche, including stem cells, immune cells, and stroma cells;

Genomic profiling of stem cells, including genetics, epigenetics, and genomic instability;

Preclinical research leads to novel therapies derived from molecular processes and cellular interactions, including gene therapy, nanomedicine-based therapies, and stem cell-based therapy.





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Message from the Editor-in-Chief

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