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Stem Cell Signaling 2.0

Guest Editor:

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Deadline for manuscript submissions: closed (31 August 2022)

Message from the Guest Editor

Dear Colleagues,

Thanks to technical advances in culture and differentiation of a number of different stem cells, the self-renewal and differentiation potential-which define the properties of stem cells-have been explored through their epigenetic regulation, transcriptional networks, and signaling pathways. This Special Issue of Biomedicines focuses on understanding the underlying recent advances in mechanisms of pluripotency, self-renewal, lineage differentiation, cellular reprogramming, regeneration, and related diseases. We encourage authors to submit original research and review articles that focus on the various biological features and underlying mechanisms of both pluripotent stem cells and somatic stem cells. Potential topics include but are not limited to:

The mechanism of pluripotency maintenance;

The mechanism of cellular reprogramming or cellular plasticity;

The mechanism of lineage determination or differentiation; The mechanism of stemness (or self-renewal) maintenance or regeneration;

Specialsue

The mechanism of stem cell aging;

The mechanism of embryo development;

Conversion between naïve and primed pluripotency.



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Editor-in-Chief

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Message from the Editor-in-Chief

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