



## Molecular and Cellular Factors Regulating Signal Transduction, Diseases, and Stem Cells

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### Message from the Guest Editor

Dear Colleagues,

An upsurge of knowledge on the molecular and cellular mechanisms that mediate cancer and other diseases has been reported in recent years. On another note, there are several transcriptional factors which determine the stem cell's fate. Among them, post-translational modification by ubiquitin molecules is a key regulatory process for the determination of a stem cell's fate. Ubiquitination and deubiquitination are the major cellular processes used to balance the protein turnover of several transcription factors that regulate stem cell differentiation.

This Special Issue welcomes both original papers and review articles on recent insights in this field.

Keywords: oncogenes and tumor suppressors; ubiquitin–proteasome pathway; protein degradation and protein stability; pre-clinical research and clinical trials; anti-cancer drug; drug resistance; cancer pathogenesis and therapeutics; enzymatic functions; cell cycle regulation; DNA damage, DNA repair and cell death; stem cell regulation and differentiation; transcriptional factors' regulation; disease association and progression





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## Message from the Editor-in-Chief

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