



## New Insights into Stem Cell Regulation

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### Message from the Guest Editor

In recent years, there has been an ever-increasing interest in stem cells and their potential application in regenerative medicine. However, molecular and genetic studies are still necessary to better understand the biology of stem cells and their possible application in clinical protocols.

In addition to valuable in vitro studies, significant information can be derived from the use of experimental models that can study and manipulate in vivo endogenous and exogenous molecules that control both stem cell fate and crosstalk with the niche. Among these models, invertebrates endowed with astonishing regenerative capabilities, a feature mostly lost by higher organisms, are of particular interest.

This Special Issue will focus on basic stem cell research for better characterization of stem cell maintenance, commitment, and differentiation processes, as well as tissue regeneration.





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