

Special Issue

Novel Pathways of Cell Fate Regulation

Message from the Guest Editor

Understanding the molecular mechanisms underlying cell fate is one of the most intricate challenges of modern cell biology. To study these phenomena, several in vitro and in vivo models were developed. Using them, it was shown that the stemness of the cells is dependent on an expression pattern of a set of transcription factors (TFs). Differentiation might be induced by changes in the TF expression pattern, or by cocktails of certain chemical compounds.

Despite the progress in the study of molecular mechanisms controlling cell fate, many questions remain unanswered and have not even been formulated yet. We encourage authors to present their point of view on the alternative mechanisms of regulation of cell fate, and on unexplored problems concerning cell biology.

Guest Editor

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