



Molecular Regulation of Cell Decision Making: Lessons from Marine Organisms

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Deadline for manuscript submissions:

closed (30 December 2022)

Message from the Guest Editors

Dear Colleagues,

One of the most fascinating phenomena in biology is the ability of cells to decide about their fate in response to external stimuli. Understanding how cells perceive and integrate environmental cues to regulate their activity can be critical to both predict the effects of climate change on living organisms and to engineer new strategies to treat human diseases.

Marine organisms offer a rich source of diversity. The aim of this SI is to provide an overview of the current research exploiting marine organisms to study the complexity of cell decision making using approaches ranging from molecular, cellular, and physiological analyses to functional genomics, transcriptomics, and epigenetics.

Both original research articles and reviews are welcome. The areas may include but are not limited: (1) cell cycle and life cycle regulation in marine unicellular and multicellular organisms; (2) cellular responses to environmental stimuli in marine organisms; (3) cell fate acquisition in embryonic development.

We encourage submissions that are the outcome of projects that come from undergraduate teaching classes.

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Message from the Editor-in-Chief

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