

Special Issue

Cellular Responses to Environmental Changes

Message from the Guest Editor

Cells respond to a variety of environmental stresses to maintain their normal function, known as cellular homeostasis. It is now well established that a cell's phenotype is the result of the combined effects of environmental and genetic factors. Environment sensing and signaling are increasingly recognized as a set of fundamental pathways that influence cell behavior, cell fate, and pathologies. Many processes that lead to a change in the state or activity of a cell (gene expression, migration, secretion, enzyme production, etc.) are a consequence of an environmental stimulus.

Understanding how cells respond to signals in their environment is a fundamental part of knowing how living systems work. This Special Issue will highlight recent advances in the research on cellular perception and the response to changing environments. We welcome the submission of original research and review manuscripts related to bacteria, archaea, plants, animals, and humans.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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