



Cellular Responses to Environmental Changes

Guest Editor:

Dr. Marcus Krüger

Environmental Cell Biology
Group, Department of
Microgravity and Translational
Regenerative Medicine, Otto von
Guericke University, 39106
Magdeburg, Germany

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Message from the Guest Editor

Dear Colleagues,

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.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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