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Space Flight Factors and Cytoskeleton Organization

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Message from the Guest Editor

The exploration of deep space inevitably confronts the need to develop countermeasures. Among the factors in space flight, especially beyond the Earth's magnetosphere, weightlessness, ionizing radiation, and the hypomagnetic effect are usually distinguished. This Special Issue is devoted to the influence of these factors on the structure and function of various types of cells. The focus of attention has turned out to be the cytoskeleton, as the most widespread cellular structure that connects various parts of the cell, participating in the regulation of the functioning of each of them. There are significantly fewer similar studies on the role of hypomagnetic and/or altered electromagnetic background on the structure and function of the cell and, in particular, the cytoskeleton. Thus, in this Special Issue, it is proposed to integrate the results of studies of the influence of various factors of space flight on the structure of the cytoskeleton and cell functioning. We invite research articles and reviews on this topic.



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Special Issue



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Message from the Editor-in-Chief

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