



## Microgravity and Space Medicine

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Deadline for manuscript  
submissions:  
**closed (31 March 2021)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the impact of altered gravity conditions on mammalian cells, animals, and humans during spaceflights. It addresses the impact of cosmic radiation, available countermeasures, and possible applications on Earth.

The Special Issue will also publish studies investigating the impact of real and simulated microgravity on human and animal cells as well as on microorganisms. A special focus lies on projects in the field of cancer research and tissue engineering. Ground-based facilities available to simulate microgravity on Earth can be used for studying changes in various cell types.

Articles and reviews will be published which examine either the molecular biological background of external signals in cancer and other diseases or cellular mechanisms responsible for the manifold changes occurring in cells and animals when exposed to microgravity. In addition, manuscripts reporting on experiments utilizing microgravity for tissue engineering purposes and also on bioprinting of tissues used in microgravity applications will be accepted for publication.

Prof. Dr. Daniela Grimm  
*Guest Editor*





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## Editor-in-Chief

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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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