



## Omics in Space

Guest Editor:

### Dr. Herbert Schulz

1. Department of Microgravity and Translational Regenerative Medicine, Medical Faculty, University Hospital Magdeburg, Otto von Guericke University, Universitätsplatz 2, 39106 Magdeburg, Germany

2. Clinic for Plastic, Aesthetic and Hand Surgery, Medical Faculty, University Hospital Magdeburg, Otto von Guericke University, Leipziger Straße 44, 39120 Magdeburg, Germany

3. Research Group 'Magdeburger Arbeitsgemeinschaft für Forschung unter Raumfahrt- und Schwerelosigkeitsbedingungen' (MARS), Otto von Guericke University, Universitätsplatz 2, 39106 Magdeburg, Germany

Deadline for manuscript submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

Dear Colleagues,

A stay in space causes biochemical changes in organisms which are first and foremost due to microgravity, but also to space radiation, altered day-night rhythms and, especially in humans, social isolation. The special issue "Omics in Space" deals with the molecular causes of these environmental changes.

Submitted publications should be clearly related to genetic, transcriptional, epigenetic, proteomic or metabolomic studies under space conditions or simulated space conditions. Studies should not be limited to a selected group of candidate genes/proteins but should comprehensively map at least one omics aspect. The studies can relate to plants, animals and humans. A disease reference, especially to human diseases, is desired but not required. Space relevance is also granted under simulated space conditions such as simulated microgravity (e.g. clinostat, RPM, rotating wall vessels) or simulation of space radiation etc.. In particular, we welcome the submission of studies that integrate multiple omics aspects under space conditions, so-called multi-omics studies.





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## Editor-in-Chief

### 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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International Journal of Molecular  
Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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