

## Special Issue

# New Insights into Immune Dysregulation Disorders

### Message from the Guest Editor

The Special Issue entitled "New Insights into Immune Dysregulation Disorders" in the *International Journal of Molecular Sciences* will present groundbreaking research on the molecular mechanisms of immune dysregulation disorders, encompassing autoimmune conditions, primary immunodeficiencies, and autoinflammatory disorders. It will highlight advancements in understanding specific genes, signalling pathways, and molecular interactions in the pathogenesis of these disorders. Advanced techniques, such as next-generation sequencing, CRISPR gene editing, and omics (proteomics, lipidomics, and metabolomics), will be utilised to uncover new molecular targets and biomarkers for early diagnosis and treatment. This Special Issue will discuss how this knowledge will lead to precision medicine approaches, including targeted biologics and gene therapies, aimed at restoring immune balance. By focusing on the molecular level of these conditions, this Special Issue aims to pave the way for novel therapeutic interventions that could significantly improve patient outcomes.

### Guest Editor

Dr. Francesco Saettini

Centro Tettamanti, Fondazione IRCCS San Gerardo dei Tintori, 20900 Monza, Italy

### Deadline for manuscript submissions

closed (20 April 2026)



## International Journal of Molecular Sciences

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*International Journal of  
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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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