

## Special Issue

# Dialogue Between Inflammation and Immunity: From Mechanism to Therapy

### Message from the Guest Editor

The dynamic dialogue between inflammation and the immune system is essential for health and disease management. Inflammation is vital for pathogen clearance and tissue repair but can also contribute to chronic disease when dysregulated. The immune system orchestrates inflammation as a defensive mechanism to combat infections and tissue injury. The interplay between immune cells, cytokines, and signaling pathways governs the balance between protective and pathological inflammation.

Chronic inflammation underlies many autoimmune diseases, including rheumatoid arthritis (RA), systemic lupus erythematosus (SLE), and multiple sclerosis (MS). Dysregulated cytokine production, loss of immune tolerance, and persistent activation of autoreactive lymphocytes drive tissue damage in these conditions.

This Special Issue will offer a collection of cutting-edge research articles or reviews that explore molecular crosstalk between inflammation and immunity, elucidate the mechanisms underlying their regulation, and discuss emerging therapeutic strategies aimed at modulating these interactions for clinical benefit.

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### Guest Editor

Dr. Nikolina Mihaylova

Laboratory of Immunohistochemistry and Immunopathology,  
Department of Immunology, The Stephan Angeloff Institute of  
Microbiology, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

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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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### 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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### 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

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