

Special Issue

Research on Inflammation and Autophagy

Message from the Guest Editors

This Special Issue aims to highlight recent advances in our understanding of the dynamic interplay between inflammation and autophagy, two essential biological processes involved in health and disease. Autophagy, a highly conserved cellular mechanism for degrading and recycling cytoplasmic components, plays a crucial role in modulating immune responses and maintaining cellular homeostasis. Conversely, dysregulated inflammation can impair autophagic flux, leading to the progression of numerous pathological conditions, including cancer, neurodegenerative disorders, metabolic syndromes, and autoimmune diseases. Current research is uncovering the molecular pathways that link autophagy to inflammatory signaling. This Special Issue welcomes original research articles and comprehensive reviews that explore the molecular mechanisms, functional consequences, and therapeutic implications of the autophagy–inflammation axis. By bringing together insights from basic and translational research, this Special Issue aims to foster a deeper understanding of the interconnected roles of autophagy and inflammation in disease pathogenesis and treatment.

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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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