

Special Issue

Mechanisms of Innate Immune Activation and Regulation in Health and Disease

Message from the Guest Editors

Besides representing the first line of defence against invading pathogens, innate immunity also instructs adaptive effectors to mount appropriate, pathogen-tailored responses. Excessive or unwanted activation of innate cells may thus harm the organisms by fostering autoimmunity, non-resolving inflammation, or both. On these premises, understanding the mechanisms of innate immune activation is of pivotal importance to identify new therapeutic targets and strategies to cope with hyperinflammation.

This Special Issue aims to gather original research and review articles dealing with any aspect of controlled or uncontrolled innate immune activation, with a special focus on new molecular targets and therapies to control non-resolving inflammation. Suggested topics: (1) Identification and characterization of novel PAMPs and DAMPs; (2) PRR mutations and dysregulation of the immune response; (3) Mechanisms of infectious and sterile innate immune activation; (4) Mechanisms fuelling non-resolving inflammation; (5) Mechanisms of inflammation-dependent tissue damage; (6) Anti-inflammatory properties of old and new drugs; etc.

Guest Editors

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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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