

## Special Issue

# The Role of Reactive Oxygen Species (ROS) in the Immune System and Health

### Message from the Guest Editors

The dual role of reactive oxygen species (ROS) in human health is proposed in the literature. Under physiological conditions, endogenous levels of ROS are tightly controlled by various antioxidant systems; however, they form even more free radicals, resulting in oxidative stress, which can damage DNA, proteins, and lipid-based cellular membranes. Despite the danger posed by high levels of ROS, several studies implicated moderate levels as critical mediators of intracellular signaling pathways in various immune cells. Therefore, understanding the state of ROS-based molecular targets, which play a pivotal role in downstream regulation of various signaling pathways in immunity and health, is crucial in the potential management of a plethora of diseases. Here, we are pleased to invite you to participate in this Special Issue, entitled "The role of reactive oxygen species (ROS) in immune system and health", by presenting your most recent research on the physiological and pathological role of ROS in both immune and tumor conditions. Experimental papers, up-to-date review articles, and commentaries are all welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2022)



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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

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