

## Special Issue

# Cytokine Signaling in Immunity and Immune Cell-Mediated Diseases

### Message from the Guest Editors

Cytokines represent a paradigm in cell-cell communication and play particularly important roles in cells within the immune system. These proteins are able to transmit signals via their respective receptors into specific immune cell populations to influence key processes, including development, survival and function. Such signals must be finely balanced to maintain a healthy immune system. Disruption of this balance underpins a number of disorders, ranging from immune deficiency to inflammation and autoimmunity to leukemia, lymphoma and other malignancies. This Special Issue will publish studies that highlight the pivotal role played by cytokine signals in normal immunity and their disruption in immune-related diseases

---

### Guest Editors

Prof. Dr. Alister C. Ward

School of Medicine, Centre for Molecular and Medical Research,  
Deakin University, Geelong 3220, Australia

Dr. Clifford Liongue

School of Medicine, Faculty of Health, Deakin University, Locked Bag  
20000, Geelong, VIC 3220, Australia

---

### Deadline for manuscript submissions

closed (28 February 2025)



# Biomolecules

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.8**

**CiteScore 9.2**

**Indexed in PubMed**



[mdpi.com/si/213833](https://www.mdpi.com/si/213833)

*Biomolecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
biomolecules@mdpi.com

[mdpi.com/journal/  
biomolecules](https://www.mdpi.com/journal/biomolecules)





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed

---



[mdpi.com/journal/  
biomolecules](http://mdpi.com/journal/biomolecules)

## About the Journal

### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

---

### Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### Author Benefits

#### Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)

