### **Special Issue**

## Molecular Mechanisms of Natural Product-Induced Immune Modulation: From Signaling Pathways to Therapeutic Targets

#### Message from the Guest Editor

Natural products represent an invaluable source of bioactive compounds with diverse immunomodulatory properties. Despite their long history in traditional medicine, the molecular mechanisms underlying their immune-regulating effects remain incompletely understood. This Special Issue aims to explore how natural products modulate immune responses at the molecular level, bridging traditional knowledge with modern molecular biology. We welcome original research articles, reviews, and communications that investigate the molecular basis of natural-productinduced immunomodulation. Topics of interest include, but are not limited to, the following: mechanisms of immune cell activation or suppression; inflammatory and anti-inflammatory pathways; innate and adaptive immune responses; molecular targets in autoimmune diseases, chronic inflammation, and cancer immunity; host-pathogen interactions and antimicrobial immunity; structure-activity relationships and target identification; biomarker discovery and mechanism-based therapeutic applications; synergistic effects and molecular interactions of natural product combinations; and novel methodologies for studying natural product immunology.

#### **Guest Editor**

Prof. Dr. Suyun Lyu

Department of Pharmacy, Sunchon National University, Suncheon 57922, Jeollanam-do, Republic of Korea

#### Deadline for manuscript submissions

28 February 2026



# Current Issues in Molecular Biology

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 3.7 Indexed in PubMed



mdpi.com/si/252707

Current Issues in Molecular Biology Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 cimb@mdpi.com

mdpi.com/journal/cimb





## Current Issues in Molecular Biology

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 3.7 Indexed in PubMed

### **About the Journal**

#### Message from the Editor-in-Chief

#### Editor-in-Chief

#### Prof. Dr. Madhav Bhatia

Department of Pathology and Biomedical Science, University of Otago, Christchurch, 2 Riccarton Avenue, P.O. Box 4345, Christchurch 8140, New Zealand

#### **Author Benefits**

#### **High Visibility:**

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

#### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

#### **Recognition of Reviewers:**

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.

