



## Molecular Research in Allergic Diseases

Guest Editors:

**Prof. Dr. Fiorentina Roviezzo**

Department of Pharmacy,  
University of Naples Federico II,  
80138 Naples, Italy

**Dr. Antonietta Rossi**

Department of Pharmacy,  
University of Napoli Federico II,  
Via D. Montesano 49, 80131  
Naples, Italy

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editors

Lipids play key roles in cell signaling events, influencing physiologic (bronchial tone) and immune mechanisms (degranulation, chemotaxis, and sensitization) in allergic diseases. Lipids act through several cellular mechanisms such as the formation of structural support platforms (lipid rafts) for receptor signaling complexes, the activation of a diverse family of G-protein coupled receptors, and the mediation of intracellular signaling cascades by acting as second messengers. An increased understanding of these critical bioactive molecules will drive future innovations in treating atopy in its many forms. This Special Issue aims to shed light on and further the understanding of some of these intricate signaling mechanisms in allergic diseases. Specifically, we propose to explore and discuss the following points: (1) lipid synthesis pathways and signaling in atopic disease pathology; (2) the development of allergic disease treatments targeting lipid mediator pathways





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## 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.

## 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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI