



## **Molecular Mechanisms and Treatment of Allergic Reactions**

Guest Editor:

**Prof. Dr. Lucy C. Fairclough**

School of Life Sciences,  
University of Nottingham,  
Nottingham, UK

Deadline for manuscript  
submissions:

**20 October 2024**

### **Message from the Guest Editor**

Dear Colleagues,

Type I hypersensitivity is the most common form of allergy, comprising an IgE-mediated allergic reaction to a harmless substance, such as pollen, peanuts, and bee venom. In predisposed individuals, exposure to certain allergens results in the rapid onset of symptoms, and in extreme cases can be fatal. The prevalence of type I hypersensitivities has been increasing for decades, now affecting up to 40% of the population; thus, the need for advancements in treatment and a better understanding of the underlying mechanisms surrounding allergy development is crucial. This Special Issue focuses on the molecular mechanisms underlying type I hypersensitivity and developments in treatment options, contributing to an increased understanding of allergy and providing insights to guide future allergy treatment.

We warmly welcome submissions, including original investigations and review articles, on this topic.

Prof. Dr. Lucy C. Fairclough  
*Guest Editor*





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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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