

Special Issue

Molecular Mechanisms of Allergy and Asthma

Message from the Guest Editor

Asthma and other allergic disorders are known to be determined by complex interactions between the individual genetic background and environmental influences. On the molecular level, those are mediated by genetic and epigenetic mechanisms, the latter including DNA methylation, histone modifications, and noncoding regulatory RNAs. Although our knowledge of the molecular background of allergic diseases has substantially increased in the last several decades, there is still much to be discovered. Further increase in the understanding of molecular bases of allergic disorders should boost the development of personalized diagnostic and therapeutic approaches. As such, the aims of this Special Issue on “Molecular Mechanisms of Allergy and Asthma” are to: (1) perform an update (review) on the current status of our knowledge of the contribution of molecular mechanisms to the development and clinical course of asthma and other allergic disorders and (2) further increase this knowledge as well as identify (3) new diagnostic options, and assess their relevance, and (4) molecular targets for novel therapies. Submissions may include original research and different types of reviews.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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.

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