

Special Issue

Molecular Research in Allergic Diseases

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

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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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