



Molecular Research in Allergic Diseases

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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





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Message from the Editor-in-Chief

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