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Recent Advances in Asthma Research in a Multiomics Era

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Message from the Guest Editors

Dear Colleagues,

It is well known that asthma is a complex condition as the result of intricate interactions between numerous endogenous and exogenous factors. Among these, the important contribution of the individual's genetic composition and environmental exposures has been widely evidenced. Nonetheless, we are still far from understanding the complete picture of the molecular and cellular mechanisms underlying this disease, with the identification of novel disease biomarkers remaining necessary. These might contribute to the accurate diagnosis of asthma, effective treatment and disease control, early identification of those patients at higher risk for adulthood chronic airway disease, and the development of alternative preventive and therapeutic strategies in a personalized manner.

This Special Issue aims to focus on recent advances and applications of single- and combined omics approaches to the asthma field with a focus not only on disease susceptibility but also different asthma-related traits. Both original research and review articles are welcome.

Dr. Natalia Hernandez-Pacheco

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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