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Respiratory Immune Responses during Infection and Pollution Inhalation

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Deadline for manuscript submissions:
closed (10 May 2022)

Message from the Guest Editors

The current COVID-19 pandemic highlights the importance of lung immune responses to pathogens and environmental factors. In response to harmful organisms and toxic pollutants, the lungs have a comprehensive and complex system of resident and immune cells with innate and adaptive immune responses. Altered immune responses can impact the primary role of the lungs, i.e., gas exchange. Resolution of altered immune responses is critical for normal lung function. A wide variety of cellular responses are altered due to inflammation responses that are associated with alteration of lung physiology and function. This research topic aims to collect recent updates and novel findings to elucidate important immune changes that occur within the lungs during an infection or following exposure to noxious factors. We are inviting original research articles, reviews, mini-reviews, and methods addressing immune responses in healthy lungs or pre-existing lung diseases during an infection or following exposure to noxious compounds.

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Message from the Editor-in-Chief

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