Special Issue

Immunity to Infections—Respiratory

Message from the Guest Editor

This Special Issue aims to explore the complex immune responses involved in combating these infections, focusing on both fundamental biological processes and advanced technological approaches. We welcome contributions that investigate the cellular physiology of immune responses, particularly studies on how immune cells such as neutrophils, macrophages, and lymphocytes respond to respiratory pathogens. In addition, we are keen on articles that leverage data analytics and AI automation to offer novel insights into the immune system's behavior and its interaction with respiratory infections. Submissions that explore AI-driven models to predict immune responses, streamline disease detection, or optimize treatment strategies are particularly encouraged. This issue also invites research on host-pathogen interactions, highlighting mechanisms by which respiratory pathogens evade or manipulate the immune system. By assembling a diverse array of research, this issue aims to advance the understanding of respiratory immunity and encourage new pathways for diagnosis, prevention, and treatment.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).