



*cells*



an Open Access Journal by MDPI

## Cellular Immunity in the Lung

Guest Editors:

**Prof. Dr. Stephen Todryk**

**Dr. Joshua Gray**

**Dr. Steven Smith**

**Dr. Ryan Thwaites**

Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editors

Dear Colleagues,

The role of immune responses in the lung has been brought into sharp focus with the ongoing SARS-CoV-2 pandemic. Numerous microbial pathogens are a threat to lung function and overall health, particularly in those with underlying lung conditions, as well as in people with other risk factors including medical, geographical, and socioeconomic disparities. A fine balance must be achieved in the lung between sufficient immune responses to prevent or clear microbial colonization and/or disease, and the prevention of excessive immune responses that damage the lung and other tissues and organs. Effective immune responses involve innate immunity such as alveolar macrophages, neutrophils, and natural killer cells; and adaptive immune responses including T cells (CD4 and CD8), and B cells/antibodies. Categories of immune responses, including the appropriate cellular effector, memory, homing, and specificity phenotype, are key. This Special Issue of *Cells* aims to bring together current research and opinion on lung immunity and its role in naturally and artificially/vaccine-generated protective immunity against lung pathogens.



[mdpi.com/si/52719](https://mdpi.com/si/52719)

**Special** Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E. Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)