

## Special Issue

# Immunosuppressive Myeloid Cells in Cancer and Pathophysiological Conditions

### Message from the Guest Editors

As you are aware, immunosuppressive myeloid cells, including macrophages, myeloid-derived suppressor cells (MDSCs) and neutrophils, are dysregulated in a wide-spectrum of pathophysiological conditions ranging from cancer to autoimmune diseases to infection. In addition to serving as biomarkers, these cells play a central role in the manifestation and progression of disease states by altering immune response and supporting the disease microenvironment. Mechanisms leading to accumulation of immunosuppressive myeloid cells and their downstream impact remain areas of intense research interest and are promising fields for therapeutic development. This Special Issue seeks original research papers and reviews from a broad range of topics related to the tumor-promoting role of myeloid cells, their function in autoimmune diseases/inflammatory conditions, changes in the myeloid cells in the context of infection/metabolic diseases, their potential as disease biomarkers, heterogeneity in immunosuppressive mechanisms and altered signaling pathways leading to myeloid cell dysfunction. We look forward to your contribution.

### Guest Editors

Dr. Justin Lathia

Cleveland Clinic Lerner Research Institute/Case Comprehensive Cancer Center, Cleveland, OH, USA

Dr. Defne Bayik

Cleveland Clinic Lerner Research Institute/Case Comprehensive Cancer Center, Cleveland, OH, USA

### Deadline for manuscript submissions

closed (31 March 2021)



## Cells

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Impact Factor 5.2  
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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

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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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### Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

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

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#### High Visibility:

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#### Journal Rank:

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

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).