

## Special Issue

# Zika Virus and Host Interactions

### Message from the Guest Editors

Zika virus is the mosquito-transmitted flavivirus that was responsible for a recent pandemic in the Americas. Brazil was at the epicenter of this outbreak and experienced an inordinate number of babies born with microcephaly and other neurological disorders. In addition to being a teratogenic agent, Zika virus infection is linked to increased risk of Guillain-Barré syndrome in adults. Although the virus was discovered over 70 years ago in Africa, prior to the 2015/2016 outbreak, very little was known about this pathogen. Accordingly, to limit Zika virus-associated disease in future epidemics, it is imperative to further understand how this pathogen interacts with different host cell types. The aim of this Special Issue of *Cells* is to showcase the latest research findings that advance our knowledge of how Zika virus targets cellular pathways to allow productive replication and establish persistence. It is anticipated that findings from these studies will lead to a molecular understanding of viral disease and form the basis for novel anti-viral therapies. We welcome submissions from the community that focus on all aspects of Zika virus–host interactions.

---

### Guest Editors

Prof. Tom Hobman

Dr. Anil Kumar

Dr. Daniel Limonta

---

### Deadline for manuscript submissions

closed (30 September 2019)



## Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 9.9  
Indexed in PubMed



[mdpi.com/si/23324](https://mdpi.com/si/23324)

*Cells*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
cells@mdpi.com

[mdpi.com/journal/  
cells](https://mdpi.com/journal/cells)





# Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 9.9  
Indexed in PubMed



[mdpi.com/journal/  
cells](https://mdpi.com/journal/cells)



## 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.

---

### 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

---

### Author Benefits

#### 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)

#### Rapid Publication:

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).