Special Issue

Novel Approaches for Combating Multi-drug Resistant Bacterial Cells

Message from the Guest Editors

Antibiotic resistance is a major problem in healthcare. This is especially important when pathogens develop resistance to multiple classes of antibiotics. Combating multi-drug-resistant infections demands a multifaceted approach, integrating innovative strategies from various fields. In this Special Issue, we focus on novel approaches to combat multi-drug-resistant infections. Some of these approaches are listed below: Phage therapy; Combination therapies; Antibiotic cycling and stewardship; Quorum sensing inhibition; Host-directed therapies; Antimicrobial peptides; Nanoparticles; CRISPR-Cas Systems; Novel antibiotic classes.

By integrating these novel approaches with conventional strategies such as antibiotic development and infection control measures, we can better combat the growing threat of multi-drug-resistant infections.

Guest Editors

Dr. Razieh Kebriaei

P3 Research Laboratory, College of Pharmacy, The Ohio State University, Columbus, OH, USA

Dr. Andrew David Berti

Eugene Applebaum College of Pharmacy and Health Sciences, Detroit, MI, USA

Deadline for manuscript submissions

closed (20 October 2024)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/207286

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

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

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

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

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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).