



*toxins*



an Open Access Journal by MDPI

## Toxins Secretion and Translocation

Guest Editors:

**Prof. Dr. Holger Barth**

Institut für Pharmakologie und  
Toxikologie, Universitätsklinikum  
Ulm, Albert-Einstein-Allee 11,  
89081 Ulm, Germany

**Dr. Panagiotis Papatheodorou**

Institut für Pharmakologie und  
Toxikologie, Universitätsklinikum  
Ulm, Albert-Einstein-Allee 11,  
89081 Ulm, Germany

Deadline for manuscript  
submissions:

**closed (31 May 2019)**

### Message from the Guest Editors

Exotoxins are produced and secreted by living bacteria. The exotoxins must be transported across a single membrane in the case of Gram-positive bacteria and across two membranes in the case of Gram-negative bacteria by sophisticated mechanisms in order to be released from the producing bacteria and to exhibit their cytotoxic effects on target cells. This Special Issue will focus on the molecular mechanisms underlying the transport of toxins across membrane barriers. This includes the trans-membrane transport during toxin secretion from the producing organisms as well as the intracellular trans-membrane transport of toxins in mammalian target cells.



[mdpi.com/si/16367](https://mdpi.com/si/16367)

**Special** Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Jay Fox

Department of Microbiology,  
University of Virginia,  
Charlottesville, VA, USA

## Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

## 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, Embase, CAPlus / SciFinder, AGRIS, and other databases.**

**Journal Rank:** JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

## Contact Us

---

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

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

[mdpi.com/journal/toxins](http://mdpi.com/journal/toxins)  
[toxins@mdpi.com](mailto:toxins@mdpi.com)  
[X@Toxins\\_Mdpi](https://twitter.com/Toxins_Mdpi)