toxins

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

Indexed in: PubMed

CITESCORE 7.5

Next-Generation Antivenoms: Discovery, Development, and Manufacturability

Guest Editors:

Dr. Timothy P. Jenkins
Department of Biotechnology and Biomedicine, Technical University of Denmark, 2800 Kongens Lyngby, Denmark

Dr. Andreas Hougaard Laustsen
Department of Biotechnology and Biomedicine, Technical University of Denmark, 2800 Kongens Lyngby, Denmark

Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editors

The dire scarcity of efficacious and affordable antivenoms necessitates a significant overhaul in how we approach envenoming therapeutics. A key paradigm shift lies in the change of focus from plasma-derived antivenoms to targeted therapeutic molecules neutralizing (only) medically relevant toxins. Indeed, recent advances have investigated therapeutic molecules, which are either inherently broadly specific against certain toxin (sub-)families (e.g., some enzymatic inhibitors) or scaffold molecules, which can be easily adapted to neutralize multiple targets (e.g., antibodies or similar scaffold proteins).

The focus of this Special Issue of *Toxins* will be on next-generation antivenoms. This includes novel screening approaches, in vitro functional assays, the discovery of new toxin binders and neutralizers, innovative strategies towards the production of antitoxins, and bioinformatic tools to aid these processes

toxins

IMPACT FACTOR 4.2 | Indexed in: PubMed | CITESCORE 7.5

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
𝕏@Toxins_Mdpi