

Special Issue

From the Bench to the Clinic: Lessons in the Use of Neurotoxins as Research and Therapeutic Tools

Message from the Guest Editors

What is a neurotoxin? Produced by plants, animals, and single-cell organisms, neurotoxins are chemicals that target nervous tissue. Many are deleterious and dangerously interfere with normal physiology in adults and impair neurodevelopment. Yet, some neurotoxins have found their way into laboratories as useful tool compounds and are widely used to answer fundamental questions about physiology at the cellular, tissue, organ, and systems level. After years of research and refinement, some are now used as therapeutic tools to treat pathologies from movement disorders to urinary dysfunction. Despite these advances, much is still to be discovered in the field of neurotoxins, whether by characterizing newly identified molecules or elucidating the molecular mechanisms of action of specific neurotoxins. Therefore, for this Special Issue, we invite authors to present their work addressing these exciting topics.

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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.

Editor-in-Chief

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