Special Issue

Venom Proteomics and Transcriptomics

Message from the Guest Editors

The deep analysis of venoms is receiving growing interest supported by important advances in sequencing methods, both at the nucleic acid and at the proteins/peptide level. The final toxins present in venoms can be characterized in detail, from their primary structure to their 3D fold. The level of detail that can be reached using mass spectrometry with only tiny amounts of sample opens new ways to characterize single organism toxins and to differentiate venoms from similar species of different geographical origin. The emphasis of this Special Issue will be on papers in which the methodological advances bring real breakthroughs and in which the complementarity of the approaches show a significant added value. Promising separation methods such as capillary electrophoresis and ion mobility are desired, as well as the 2D molecular mapping of venom glands by mass spectrometry imaging.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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