Special Issue

Venom Components Acting on the Hemostatic System: Structural and Mechanistic Insights

Message from the Guest Editors

Venoms from different species of animals contain components, mainly proteins, and peptides, that can interfere with various physiopathological processes, including cancer, inflammation, neurotransmission, immune responses, cell growth, apoptosis, hemostasis, and others. The effects of crude venom from snakes on hemostasis have been recorded since the late 1700s. A large variety of molecules that interfere in the hemostatic process have been isolated, and their mechanisms of action characterized. For instance, molecules that perturb the hemostatic system can display pro or anticoagulant effects, activate or inhibit platelet aggregation, interfere in clot dissolution, and interfere with endothelial cells. This Special Issue focuses on the structural–activity relationship of some of these molecules and points to their mechanism of action. Moreover, the applications of these molecules and derived analogs as tools for investigation, diagnosis, or use in drugs will also be presented and discussed.

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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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