Special Issue

Animal Venom: Challenges and Perspectives in Drug Discovery

Message from the Guest Editor

Venom is a poisonous substance delivered by animals as a bite, sting, or others for protecting against predators or capturing their prey. Therefore, venoms are highly complex by nature in their components depending on species producing venom that may comprise small molecules, peptides, and proteins. In fact, there are a number of well-known drugs that come from animal venoms, such as Captopril (ACE inhibitor for hypertension from *Bothrops jararaca*), Lisinopril (ACE inhibitor for hypertension from *Bothrops jararaca*), which are mostly small molecules or peptides. Considering the countless poisonous animal species, surprisingly only a small number of animal toxins have been developed and launched on the market as therapeutic drugs so far. However, the recent adoption of emerging technologies into venom studies, including proteomics, genomics, transcriptomics, molecular biological techniques, and highly advanced analytical methods allows scientists to get closer to their goals. This Special Issue is for sharing our knowledge and information regarding from bench to bedside and beyond of animal venom or its derivative.

Guest Editor

Prof. Dr. Euikyung Kim

Department of Pharmacology and Toxicology, College of Veterinary Medicine, Gyeongsang National University, 501 Jinju Daero, Jinju 52828, Republic of Korea

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Toxins
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxins@mdpi.com

mdpi.com/journal/toxins

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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.

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Prof. Dr. Jay Fox
Department of Microbiology, University of Virginia, Charlottesville, VA, USA

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