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

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