



toxins



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Animal Toxins and Biological Ion Channels

Guest Editors:

Dr. Rong Chen

Research School of Biology,
Australian National University,
Canberra ACT 0200, Australia

Dr. Yingliang Wu

State Key Laboratory of Virology,
College of Life Sciences, Wuhan
University, Wuhan, P. R. China

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Message from the Guest Editors

Dear Colleagues,

Ion channels account for the action potential of excitable cells and their malfunction is implicated in many diseases. As such, they form an important drug target. For example, the calcium channel Cav2.2 and the sodium channel Nav1.7 are targets for analgesics, whereas the potassium channel Kv1.3 is a target for immunosuppressants. Many short peptides isolated from venomous animals, such as scorpions, cone snails, and spiders, are potent and specific modulators of certain channels. Those peptides are promising drug scaffolds and understanding their mechanisms-of-action is of critical importance to the development of novel venom-based drugs. This Special Issue aims to bring together studies that advance our understanding of the detailed interactions between venom peptides and ion channels. Both computational and experimental studies are welcome.

Dr. Rong Chen
Dr. Yingliang Wu
Guest Editors



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Special Issue



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Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

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Toxins Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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