Special Issue

Tetrodotoxin (TTX) as a Therapeutic Agent

Message from the Guest Editors

Tetrodotoxin (TTX) is a neurotoxin found in puffer fish and other marine and terrestrial animals. It has been used since ancient times for therapeutic purposes, and extensively used to elucidate the role of specific voltage-gated sodium channel (VGSC) subtypes in a wide range of physiological and pathophysiological processes in the nervous system. TTX use regards their mechanisms of action, mainly VGSC blockade and, hence, the alteration of neuronal function. TTX is in clinical development as an analgesic drug, and it is currently undergoing Phase III clinical trials for the treatment of cancer-related pain. The purpose of this Special Issue is to collect original research and review articles that provide recent advances and/or a comprehensive view of the therapeutic potential of TTX, such as its use as anesthetic, analgesic in different pain conditions, or any other therapeutic use. Submissions of preclinical or clinical manuscripts are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2021)

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About the Journal

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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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