Special Issue

Structure and Function of Clostridial and Botulinum-Like Neurotoxins

Message from the Guest Editor

Members of the clostridial neurotoxins are the most poisonous protein toxins known to man, and the causative agents of the potentially fatal diseases tetanus and botulism. This family of potent toxins has recently witnessed rapid expansion beyond the tetanus toxin (TeNT) and seven serotypes and over forty subtypes that have classically defined the botulinum neurotoxins (BoNTs). This includes potential novel BoNT serotypes and natural chimeric proteins with mixed types whose biochemical and pharmacological properties are being investigated. In addition, with advances in high-throughput genomics technology, environmental samples have revealed new BoNT-like proteins, particularly in non-clostridial bacterial species. Determining the function and potency of these new toxins is essential to ensuring they do not pose any biological threats in addition to assessing their potential for biotechnological use. This Special Issue "Structure and Function of Clostridial and Botulinum-Like Neurotoxins" aims to bring together the latest research on the biochemical properties and function of BoNTs, their newly identified homologues, and of proteins associated with their toxicity.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

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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