Special Issue

Clostridium Neurotoxins

Message from the Guest Editor

Clostridium neurotoxins are natural substances that damage the central and/or peripheral nervous system, or that interfere with the functions of neurons. These toxins are produced by Gram-positive spore-forming bacteria belonging to the genus Clostridium. Botulinum neurotoxin (BoNTs) and tetanus neurotoxin (TeNT) are the most potent toxins known and cause botulism and tetanus, respectively. *Clostridium perfringens* epsilon toxin (ε-toxin), is responsible for severe damage to the central nervous system in ruminants. Recently, BoNT-related encoding genes have also been reported in non-clostridial bacteria but their role in the disease or in the horizontal neurotoxic gene transfer is under debate. This Special Issue is open to scientific contributions on the mechanisms of action of Clostridium neurotoxins and on the genomics of bacteria harboring clostridium neurotoxins encoding-genes. Original papers concerning diagnosis, pathogenesis, therapy (antitoxins), and prevention strategies (vaccines) of diseases sustained by Clostridium neurotoxins in humans and animals are also welcome. Dr. Luca Bano

Guest Editor

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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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