



Clostridium Neurotoxins

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Message from the Guest Editor

Dear Colleagues,

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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Editor-in-Chief

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Message from the Editor-in-Chief

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