Special Issue

Botulinum Neurotoxins Antibody and Vaccine

Message from the Guest Editors

Botulinum neurotoxins (BoNTs) are true miracle protein molecules created by nature, which embody the biological functional beauty of yin and yang in the same structure. On the one hand, they are the most toxic substances known to human being, and are listed as one of the six highest-risk threat agents for bioterrorism in the USA, and they could cause botulism, a deadly human and animal disease if not treated timely. On the other hand, they are the key components of several widely used government approved medicines. To mitigate the potential risk of BoNTs, while making full use of their therapeutic powers for the ever-expanding list of human diseases, rationally-designed and applied antitoxins or vaccines seem to be the best option to accomplish this task. In this Special Issue of "Botulinum Neurotoxins Antibody and Vaccine", the most up-to-date research and investigation on counter-measures for botulism are compiled, and the possible unwanted neutralizing antibody reaction issues in BoNT therapeutic targets are also discussed.

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Deadline for manuscript submissions

closed (31 August 2017)

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/6693

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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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