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Botulinum Neurotoxins Antibody and Vaccine

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Deadline for manuscript
submissions:

closed (31 August 2017)

Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Jianlong Lou

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Guest Editors





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