Special Issue

Clostridium difficile Toxins

Message from the Guest Editor

Clostridioides difficile is a Gram-positive bacterium causing enteric disease mostly under clinical conditions involving antibiotic treatment. Disease manifestations are coupled to the actions of secreted proteinaceous toxins exemplified by TcdB, which is a large multidomain toxin that enters host cells and glucosylates small GTPases. Other toxins produced by *C. difficile* include TcdA, which is another large clostridial toxin homologous to TcdB, and binary toxin (CDT), which lacks TcdB homology and consists of a subunit with ribosyltransferase activity (CDTa) and a separate subunit with pore-forming activity (CDTb). Disease-causing strains of *C. difficile* vary in their toxin repertoire but usually possess TcdB. Recent work within this field has explored the complex landscape of toxin receptors and has begun to address how variant toxins alter disease trajectory. The aim of this Special Issue is to build on these recent advances in order to better understand the mechanism of action of *C. difficile* toxins.

- *C. difficile*
- *C. difficile* toxins
- TcdB
- TcdA
- binary toxin

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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