



## ***Clostridium difficile* Toxins**

Guest Editor:

### **Message from the Guest Editor**

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submissions:

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*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





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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