



toxins



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Macrophage Interplay with Pore-Forming Toxins

Guest Editor:

Dr. Peter A. Keyel

Department of Biological
Sciences, Texas Tech University,
Box 43131 Lubbock, TX 79409,
USA

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Message from the Guest Editor

Many pathogens secrete pore-forming toxins (PFTs), which macrophages must detect, then defend against them and respond to them. Similarly, macrophages also detect and respond to innate immune PFTs deployed against bacteria, and target cells, including perforin and the membrane, attack the complex of complement. Finally, macrophages themselves utilize PFTs like gasdermin D and mixed-lineage kinase-like (mlkl) to execute the cell death pathways of pyroptosis and necroptosis, respectively, to deny intracellular pathogens refuge. Interplay between macrophages and toxins occurs at many steps and leaves many unknowns in the field.

This Special Issue will focus on the interplay between macrophages and related myeloid cells with pore-forming toxins, including both the use of pore-forming toxins by these cells, and the response of these cells to toxins. This includes the biology behind cell death processes that require pore-forming toxins, macrophage responses to external toxins deployed against other bacteria and cells, and inflammation, immunosuppression, signaling, and other responses to pore-forming toxins.



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Special Issue



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Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

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Toxins Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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