Special Issue

Pseudomonas aeruginosa Toxins and Disease

Message from the Guest Editor

Pseudomonas aeruginosa is a common cause of nosocomial pneumonia (among other sites of infection) in intensive care units and immunocompromised individuals. A recent working group indicated that pneumonia is not only a localized, acute disease, but can cause non-pulmonary end-organ dysfunction that leads to deleterious long-term health consequences for patients. Interestingly, many of these effects are mediated by the virulent toxins and avoidance methods possessed by the bacterium. These methods include, but are not limited to, the type III secretion system, flagellin, mucin production, and quorum sensing. Although we know much about how these toxins function, there is still much to learn about how the bacterium uses these methods to cause infection and disease. This Special Issue will focus on how *Pseudomonas aeruginosa* can lead to virulent infection, maintain a balance between colonization and infection, lead to short- and long-term end-organ dysfunction, and how its virulent toxins and avoidance methods play a role in these processes.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/61170

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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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