Message from the Guest Editor

Dear Colleagues,

*Pasteurella multocida* can infect a lot of animals causing various diseases with specific syndromes. While atrophic rhinitis of pigs is connected specifically to toxigenic *P. multocida* strains that express the exotoxin PMT (*P. multocida* toxin), the pathogenic mechanisms for other diseases are less well understood, although LPS is required for pathogenesis. Other emerging virulence factors that can be detected by the endotoxin receptor TLR4 are proteins, such as outer membrane proteins (Omp), fimbriae or porins. These factors are discussed as potential candidates to generate efficient vaccines.

This Special Issue aims to summarize what is known about the interaction of *P. multocida* endotoxins and its exotoxin with cells of the immune system. We welcome articles (research or review) that center on the effects of LPS, PMT, or other emerging virulence factors and the generation of vaccines, respectively.

Dr. Katharina Hieke-Kubatzky
*Guest Editor*
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.

Author Benefits

**Open Access**: free for readers, with article processing charges (APC) paid by authors or their institutions.

**High visibility**: indexed by the Science Citation Index Expanded (Web of Science), MEDLINE (PubMed) and other databases. Full-text available in PubMed Central.

**Rapid publication**: manuscripts are peer-reviewed and a first decision provided to authors approximately 14.5 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2019).

Contact Us

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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com
mdpi.com/journal/toxins
toxins@mdpi.com
@Toxins_Mdpi