

## Special Issue

# *Pasteurella multocida* and Its Virulence Factors

### Message from the Guest Editor

*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

Dr. Katharina Kubatzky

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### Deadline for manuscript submissions

closed (30 June 2017)



## Toxins

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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.

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### Editor-in-Chief

Prof. Dr. Jay Fox

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

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