# Special Issue

# Venom Allergy: General Concepts, Allergens, Diagnosis and Treatment

## Message from the Guest Editor

Venom allergy is one of the most serious IgE-mediated hypersensitivity reactions due to the high risk of severe and even fatal anaphylaxis. Stings of various Hymenoptera species are common elicitors of venom allergy all over the world. In the majority of patients, venom allergy can be effectively treated by venom-specific immunotherapy, the only available immunomodulatory and curative approach. In recent years, biochemical and molecular biological methods have made a significant contribution to the identification and characterization of new allergens of Hymenoptera venoms, shifting the focus from the whole venom to individual allergenic molecules. Moreover, venom allergy represents an ideal model to study the mechanisms of allergic inflammation and immune tolerance to allergens as well as the allergen–immune system interaction. We welcome contributions in the following areas: Comprehensive overview of latest concepts, developments and further perspectives in venom allergy Allergy-relevant species as well as their venoms and venom allergens Venom proteomics and allergens, diagnosis and treatment of venom allergy as well as basic immunological and biochemical mechanisms.

## Guest Editor

Dr. Simon Blank

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## Deadline for manuscript submissions

closed (31 December 2021)

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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

Prof. Dr. Jay Fox
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