

## Special Issue

# Biotoxins: Innovative Research Tools to Treat Neuropathologies and Investigate Neurophysiology—In Memory of Professor Matteo Caleo

### Message from the Guest Editors

Professor Matteo Caleo, a bright neuroscientist and an excellent mentor, passed away on 12 April 2022. As his legacy, he left to his close young colleagues and the entire scientific community his unique way to approach neurosciences. Among his greatest scientific goals, he broke the current understanding about the mechanisms of action of botulinum neurotoxins, thus initiating the idea of a direct central action of botulinum neurotoxin type A. In parallel, he exploited different biotoxins to investigate the physiopathological underpinnings of a wide range of neuropathologies, from epilepsy to cancer, and his work has had a significant impact on the study of toxins and their potential applications. This Special Issue will provide a timely opportunity to pay tribute to Professor Caleo's memory and to inspire senior and young neuroscientists. Papers focused on, but not limited to, clostridial neurotoxins and other biotoxins mechanisms of action and how those compounds can be exploited as innovative tools to interfere with neurological processes and to treat neuropathologies are highly encouraged and appreciated.

### Guest Editors

Dr. Laura Restani

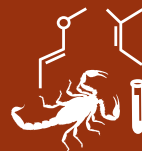
Dr. Eleonora Vannini

Dr. Cristina Spalletti

Dr. Claudia Alia

### Deadline for manuscript submissions

closed (30 June 2024)



## 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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