



toxins



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From the Bench to the Clinic: Lessons in the Use of Neurotoxins as Research and Therapeutic Tools

Guest Editors:

Dr. Célia Duarte Cruz

1. Unit of Experimental Biology,
Department of Biomedicine,
Faculty of Medicine, University of
Porto, 4200-319 Porto, Portugal
2. Pain Neurobiology Research
Group, Institute of Research and
Innovation in Health, University
of Porto, 4200-135 Porto,
Portugal

Dr. Karen McCloskey

Patrick G Johnston Centre for
Cancer Research, School of
Medicine, Dentistry and
Biomedical Sciences, Queen's
University Belfast, Belfast, UK

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Message from the Guest Editors

What is a neurotoxin? Produced by plants, animals, and single-cell organisms, neurotoxins are chemicals that target nervous tissue. Many are deleterious and dangerously interfere with normal physiology in adults and impair neurodevelopment. Yet, some neurotoxins have found their way into laboratories as useful tool compounds and are widely used to answer fundamental questions about physiology at the cellular, tissue, organ, and systems level. After years of research and refinement, some are now used as therapeutic tools to treat pathologies from movement disorders to urinary dysfunction. Despite these advances, much is still to be discovered in the field of neurotoxins, whether by characterizing newly identified molecules or elucidating the molecular mechanisms of action of specific neurotoxins. Therefore, for this Special Issue, we invite authors to present their work addressing these exciting topics.



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Special Issue



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Editor-in-Chief

Prof. Dr. Jay Fox

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

Message from the Editor-in-Chief

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Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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