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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. Department of Biomedicine – Experimental Biology Unit, Faculty of Medicine, University of Porto, 4000 Porto, Portugal 2. Translational Neurourology, IBMC and i3S - Instituto de Investigação e Inovação em Saúde, University of Porto, 4150 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

Deadline for manuscript submissions:

closed (31 May 2022)

Message from the Guest Editors

What is a neurotoxin? Produced by plants, animals, and single-cell organisms, neurotoxins are chemicals that nervous tissue. Many are deleterious 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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Prof. Dr. Jay Fox
Department of Microbiology,
University of Virginia,
Charlottesville, VA. USA

Message from the Editor-in-Chief

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