Special Issue

Ion Channels as Marine Drug Targets

Message from the Guest Editor

Animal venoms, especially of marine origin, are rich natural sources of bioactive compounds. The molecular targets of the latter are mainly ion (i.e., sodium, potassium, calcium, and chloride) channels with their numerous variants/subtypes. These venom molecules are exhibiting diverse potencies and selectivities and may have some therapeutic potential based on their cellular targets. Over the past decade, marine molecules have been widely studied, as they represent potential drugs to treat a variety of (human) pathologies, from pain to autoimmune and neurological diseases. This Special Issue of "Marine Drugs" is devoted to the different aspects of the marine (or marine-derived) molecules, from the discovery and structural characterization to the pharmacology and molecular engineering in order to finally develop some "novel" candidate chemotherapeutic drugs targeting the ion channel(s).

Guest Editor

Dr. Jean-Marc Sabatier

Institute of Neurophysiopathology (INP), Aix-Marseille University, Faculté des sciences médicales et paramédicales, 27, Bd Jean Moulin, 13005 Marseille, France

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Marine Drugs
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
marinedrugs@mdpi.com

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About the Journal

Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

Prof. Dr. Bill J. Baker
Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., CHE 205, Tampa, FL 33620-5250, USA

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