

Special Issue

Ion Channels as Therapeutic Target: Drug Design and Pharmacological Investigation

Message from the Guest Editors

The ion channels include two principal types of membrane proteins: 1. The ligand-gated ion channel (LGICs), opened by neurotransmitters or ligands that bind the orthosteric or allosteric sites, involved in the overall fast synaptic transmission in the nervous system; 2. Voltage-gated ion channels, opened or closed by a change in the electrical gradient across the membrane. Ion channels are very intriguing targets, this Special Issue aims to collect contributions in the drug design, molecular modelling, pharmacological investigation and therapeutic applications of ion channel ligands.

Keywords

- LGIC
- voltage-gated ion channel
- other ion channels
- biological studies
- diseases
- molecular modeling
- drug design
- synthesis

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