

Special Issue

Novel Understanding of Neuronal Channelopathy

Message from the Guest Editor

Ion channels play a pivotal role in neuronal physiology, regulating various processes crucial for brain function. Their dynamic activity governs action potential generation, synaptic transmission, neuronal excitability, and plasticity, thereby shaping the complex network. Dysfunction of ion channels lead to neurological disorders such as Spinocerebellar Ataxia, Epilepsy, Autism Spectrum Disorders, and other unknown. Thus, comprehending the mechanisms underlying these disorders due to ion channel dysfunction is crucial for developing effective therapeutic interventions. The special issue aims to highlight pioneering research that elucidates the role of the ion channels in physiological neuron function and pathological disorders. Manuscript exploring a variety of aspects within ion channel biology, physiology, neuroimmunology, pharmacology, and therapeutic strategy are highly encouraged, while also welcoming submissions that extend beyond these topics. We are looking forward to receiving the valuable contribution form the researchers and academicians all around the world

Guest Editor

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Deadline for manuscript submissions

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