

Special Issue

Epilepsy and Metabolism

Message from the Guest Editor

Epilepsy and metabolic disorders can be considered one of the most extensive topics. So far, more than thousands of variants have been described; monogenic mutations and de novo mutations can cause moderate to severe epileptic and eating disorders, obesity, and cachexia. Moreover, recent studies on the transcriptomic of specific neuronal groups in less studied physiological states have revealed the appearance of less conventional modulators that govern neuronal tonic inhibition. These facts paint the complex picture of the physiology of ion channels, GPCRs, and accessory proteins in the brain involved in such disorders. The scope of the Special Issue involves bringing together original research and review articles on GPCRs, ion channels, accessory proteins, and downstream signaling in networks causing epileptic and metabolic disorders, and thus summarizing and expand our knowledge of signaling processes and networks and highlighting new advances and methodologies that will ultimately advance our understanding of the current state of cell signaling processes in which epilepsy and metabolism are involved.

Guest Editor

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