

Special Issue

Protein Kinases in Neurological Disorders

Message from the Guest Editor

Protein kinases are a class of phosphotransferases that phosphorylate proteins by transferring the gamma-phosphoryl group of ATP to specific amino acid residues of the substrate. The kinase family of proteins help regulate important physiological processes in inflammation, metabolism and immunity. Kinases are essential cell signaling molecules known to be involved in neurological disorders. Although protein kinases have been an important research topic in the field of life medicine, the role of protein kinases within the nervous system is far from being fully understood. By combining conventional routes of molecular biology with advanced technologies, such as those in proteomics, imaging and structural biology, we can further explore the extensive roles of protein kinases within neural processes. These discoveries will help in the continuous effort toward improving treatment for neurodegenerative disorders and other neurological conditions. We are assembling a Special Issue focusing on the relationship between kinases and human neurological disorders. We welcome all submission types on this topic.

Guest Editor

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closed (20 February 2025)



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