

Special Issue

Pharmacology and Mechanism of Action of Peptides in the Brain

Message from the Guest Editor

This Special Issue aims to cover recent progress in the pharmacology and brain activity of endogenous and newly synthesized peptide derivatives and peptidomimetics. Brain peptides play crucial roles as neurotransmitters, neuromodulators, and neuroprotective agents. They are involved in a wide range of physiological functions, including pain modulation, stress response, seizure susceptibility, appetite regulation, and the sleep–wake cycle. Their mechanisms of action typically involve receptor binding, whereby peptides exert their effects by binding to specific receptors on the surface of neurons or other cell types. This Special Issue will publish original high-quality papers, short commentaries, and comprehensive reviews presenting results and insights related to the pharmacology and mechanisms of action of endogenous and newly synthesized peptide derivatives and peptidomimetics. These reports may come from disciplines ranging from chemistry to neuroscience, characterizing peptide molecules in animal models of neurodegenerative diseases.

Guest Editor

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Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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