Special Issue

Neuropeptides: From Physiology to Therapeutic Applications

Message from the Guest Editors

Neuropeptides are defined as small endogenous protein molecules that are synthesized and secreted by nerve cells generally through the regulated secretory route. Neuropeptides can act as neurohormones, neurotransmitters, neuromodulators, and neurotrophic or neuroprotective factors. Many but not all neuropeptide receptors are members of the G protein-coupled receptor family, which represents one of the most important classes of drug targets. Therefore, a number of neuropeptides or neuropeptide-based compounds are in the pipeline of clinical trials for treatment of brain diseases, such as neurodegenerative pathologies, anxiety, pain, and other diseases like metabolic disorders, diabetes, and cancer. The scope of this Special Issue is to cover recent and promising research trends on neuropeptides. We welcome contributions—either original research or review articles—on fundamental and translational aspects of neuropeptides.

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As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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