

Special Issue

The Roles of VIP and PACAP: From Molecular and Genetic Studies

Message from the Guest Editor

Dear colleagues,

Recent studies have shown that neuropeptides, VIP and PACAP, are closely related to stroke, dementias, cancers, dry syndromes. Additionally, the mechanism of the crisis of the disease is also being clarified by multiple basic research. In addition, drug discovery development becomes possible on the basis of basic research on prevention and therapy of these diseases. Recently, it has been suggested that PACAP also plays a major role in the degradation of the tau protein at the neuronal ends and is associated with Alzheimer's disease. We have also found that VIP and PACAP also act on neural stem cells, particularly in the hippocampus, for nerve regeneration and neurogenesis, which may also be applied to treat nerve regeneration in the near future. Therefore, in this Special Issue, we wish to focus on both peptides and review the current and future basic research and clinical applications based on them to better understand their roles from molecular and genetic studies. We ask experts in the field to contribute their latest research on this fascinating and rapidly progressing topic.

Guest Editor

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