

Special Issue

Vasoactive Intestinal Peptide (VIP) and Related Signaling Molecules in Health and Disease

Message from the Guest Editor

Vasoactive intestinal peptide (VIP) is a 28-amino acid neuropeptide with a broad expression profile, regulating diurnal feeding behavior, metabolism, and immunity. VIP is delivered by the peripheral nervous system to numerous organs, including the mucosa-associated lymphoid tissues of the pulmonary and gastrointestinal tract. VIP signals with a high affinity ($K_d = 1 \text{ nM}$) through at least two endogenous G protein-coupled receptors (GPCR), called vasoactive intestinal peptide/pituitary adenylyl cyclase activating polypeptide (VPAC) 1 and VPAC2. A third low affinity receptor ($K_d = 1 \mu\text{M}$), termed PAC1, also binds VIP. I invite my colleagues in this field to contribute to this Special Issue on VIP/PACAP and its related peptides in health and disease by providing research articles or relevant topic reviews. This Special Issue will act as an important depository for novel and review research summaries in the VIP/PACAP family of signaling peptides in health and disease.

Guest Editor

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