

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 adenyl 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

Dr. Glenn P. Dorsam

Department of Microbiological Sciences, North Dakota State University, Fargo, ND 58102-5060, USA

Deadline for manuscript submissions

closed (30 June 2022)



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/75927

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)





Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)



About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).