

ANNOUNCING A NEW JOURNAL

PEPTIDES

AN INTERNATIONAL JOURNAL

EDITOR-IN-CHIEF

ABBA J. KASTIN

Veterans Administration Medical Center and Tulane University School of Medicine
1601 Perdido Street, New Orleans, LA 70146

All manuscripts should be sent to the Editor-in-Chief for review and processing

ASSOCIATE EDITORS

DAVID H. COY, Veterans Administration Medical Center
and Tulane University School of Medicine, New Orleans,
LA 70146

RICHARD D. OLSON, Department of Psychology, Uni-
versity of New Orleans, New Orleans, LA 70122

SAMI I. SAID, Departments of Internal Medicine and
Pharmacology, University of Texas Health Science Center,
Southwestern Medical School, and Veterans Administration
Medical Center, Dallas TX 75235

ANDREW V. SCHALLY, Veterans Administration Medi-
cal Center and Tulane University School of Medicine, New
Orleans, LA 70146

EDITORIAL ADVISORY BOARD

- | | |
|--|--|
| H. AKIL (<i>Ann Arbor, MI</i>) | J. B. MARTIN (<i>Boston, MA</i>) |
| A. BARBEAU (<i>Montreal, Canada</i>) | J. MEITES (<i>East Lansing, MI</i>) |
| G. R. BREESE (<i>Chapel Hill, NC</i>) | R. P. MILLAR (<i>Cape Town, South Africa</i>) |
| W. Y. CHEY (<i>Rochester, NY</i>) | L. H. MILLER (<i>Boston, MA</i>) |
| G. J. DOCKRAY (<i>Liverpool, U.K.</i>) | R. L. MOSS (<i>Dallas, TX</i>) |
| R. DRUCKER-COLÍN (<i>Mexico City, Mexico</i>) | E. E. MÜLLER (<i>Milan, Italy</i>) |
| R. H. EHRENSING (<i>New Orleans, LA</i>) | G. A. OLSON (<i>New Orleans, LA</i>) |
| E. ERDOS (<i>Dallas, TX</i>) | M. OTSUKA (<i>Tokyo, Japan</i>) |
| J. FAHRENKRUG (<i>Glostrup, Denmark</i>) | C. B. PERT (<i>Bethesda, MD</i>) |
| E. FRITSCHKA (<i>Berlin, Germany</i>) | J. M. POLAK (<i>London, U.K.</i>) |
| K. FUXE (<i>Stockholm, Sweden</i>) | S. I. RAPOPORT (<i>Baltimore, MD</i>) |
| D. W. GOLDE (<i>Los Angeles, CA</i>) | P. L. RAYFORD (<i>Galveston, TX</i>) |
| L. GRÁF (<i>Budapest, Hungary</i>) | C. A. SANDMAN (<i>Orange, CA</i>) |
| R. HALL (<i>Cardiff, Wales, U.K.</i>) | G. SINGER (<i>Bundoora, Victoria, Australia</i>) |
| T. HÖKFELT (<i>Stockholm, Sweden</i>) | J. M. STEWART (<i>Denver, CO</i>) |
| D. JACOBOWITZ (<i>Bethesda, MD</i>) | D. F. SWAAB (<i>Amsterdam, The Netherlands</i>) |
| M. G. KING (<i>Newcastle, N.S.W., Australia</i>) | A. J. THODY (<i>Newcastle upon Tyne, U.K.</i>) |
| R. KLIMEK (<i>Krakow, Poland</i>) | T. B. van WIMERSMA GREIDANUS (<i>Utrecht,
The Netherlands</i>) |
| R. M. KOSTRZEWA (<i>Johnson City, TN</i>) | S. J. WATSON (<i>Ann Arbor, MI</i>) |
| L. -I. LARSSON (<i>Aarhus, Denmark</i>) | M. J. WAYNER (<i>Syracuse, NY</i>) |
| S. M. McCANN (<i>Dallas, TX</i>) | |

S. YEHUDA (*Ramat-gan, Israel*)

PUBLICATIONS MANAGER

DAWN A. BARTON

Peptides: An International Journal

ISSN 0196-9781

Subscription, postpaid: \$75 per annum for Libraries, Research Establishments and all other multiple-reader Institutions.
Private individuals whose departmental libraries subscribe may obtain this Journal for their personal use at a reduced rate of \$20 per annum

Publishing and Advertising Offices:

7374 Highbridge Terrace, P.O. Box 426, Fayetteville, New York 13066 U.S.A.

Copyright © 1980 ANKHO International Inc.

Aims and Scopes

Peptides will publish original reports of systematic studies on the chemistry, biochemistry, neurochemistry, endocrinology, gastroenterology, physiology, and the neurological and behavioral effects of the peptides. A limited number of relevant reviews and theoretical articles, results

of symposia, more comprehensive studies as monograph supplements, and brief communications which describe a new method, technique, or apparatus, and results of experiments which can be reported briefly will also be published. Articles will be published in English.

VOLUME 1 NUMBER 1

SPRING 1980

CONTENTS

Substance P as a baro- and chemoreceptor afferent neurotransmitter: Immunocytochemical and neurochemical evidence in the rat. HELKE, C. J., T. L. O'DONOHUE and D. M. JACOBOWITZ	1
Vasopressin neurons grafted into Brattleboro rats: Viability and activity. GASH, D. and J. R. SLADEK, JR.	11
Central administration of peptides alters thermoregulation in the rabbit. LIPTON, J. M. and J. R. GLYN	15
Relationship of melanocyte-stimulating hormone to photoreceptor damage. O'STEEN, W. K. and A. J. KASTIN	19
Interaction of opiate peptide and noradrenalin systems: Light microscopic studies. WATSON, S. J., C. W. RICHARD III, R. D. CIARANELLO and J. D. BARCHAS	23
Enkephalinase: Selective inhibitors and partial characterization. SULLIVAN, S., H. AKIL, D. BLACKER and J. D. BARCHAS	31
Cellular characteristics of immunolabeled luteinizing hormone releasing hormone (LHRH) neurons. KOZLOWSKI, G. P., L. CHU, G. HOSTETTER and B. KERDELHUÉ	37
Cholecystokinin acts on the hypothalamic "noradrenergic system" involved in feeding. McCALEB, M. L. and R. D. MYERS	47
CCK-octapeptide injected in CSF decreases meal size and daily food intake in sheep. DELLA-FERA, M. A. and C. A. BAILE	51
A neuroheptapeptide influence on cognitive functioning in the elderly. MILLER, L. H., G. A. GROVES, M. J. BOPP and A. J. KASTIN	55
Simultaneous monoamine histofluorescence and neuropeptide immunocytochemistry: I. Localization of catecholamines and gonadotropin-releasing hormone in the rat median eminence. McNEILL, T. H., D. E. SCOTT and J. R. SLADEK, JR.	59
The source of an aggression-promoting olfactory cue, released by α -Melanocyte stimulating hormone, in the male mouse. NOWELL, N. W., A. J. THODY and R. WOODLEY	69
Effect of methionine-enkephalin on xanthophore aggregation. SATAKE, N.	73
Simultaneous monoamine histofluorescence and neuropeptide immunocytochemistry: III. Ontogeny of catecholamine varicosities and neurophysin neurons in the rat supraoptic and paraventricular nuclei. KHACHATURIAN, H. and J. R. SLADEK, JR.	77
Chromatographic and biologic analysis of ME and OVL T LHRH. SAMSON, W. K., G. SNYDER, C. P. FAWCETT and S. M. McCANN	97
Influence of substance P on the behavioral changes induced by haloperidol in rats. JOLICOEUR, F. B., D. B. RONDEAU, F. BELANGER, G. FOURIEZOS and A. BARBEAU	103
An analog of MSH/ACTH 4-9 enhances interpersonal and environmental awareness in mentally retarded adults. SANDMAN, C. A., B. B. WALKER and C. A. LAWTON	109