

PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR

Founded by MATTHEW J. WAYNER

US Editor-in-Chief

GEORGE F. KOOB

Department of Neuropharmacology, CVN7
The Scripps Research Institute
10550 N. Torrey Pines Road
La Jolla, CA 92037, USA
Fax: (858) 784-7450
E-mail: gfkpbb@scripps.edu

European Editor-in-Chief

SANDRA E. FILE

Psychopharmacology Research Unit
Center for Neuroscience, King's College London
Hodgkin Building, Guy's Campus
London SE1 1UL,
Fax: 44-20-7848-6660
E-mail: pbbeuro@kcl.ac.uk

Editorial Advisory Board

ANTONIO ARMARIO, Barcelona, Spain
ROBERT L. BALSTER, Richmond, VA
AXEL BECKER, Magdeburg, Germany
GIOVANNI BIGGIO, Cagliari, Italy
F. BORSINI, Milan, Italy
ROBERT J. CAREY, Syracuse, NY
ALLAN C. COLLINS, Boulder, CO
DONALD V. COSCINA, Detroit, MI
JACQUELINE N. CRAWLEY, Bethesda, MD
STANISLAW J. CZUCZWAR, Lublin, Poland
ADRIAN J. DUNN, Shreveport, LA
HEIDRÜN FINK, Berlin, Germany
RICHARD A. GLENNON, Richmond, VA
GUY GRIEBEL, Bagneux, France
ROLAND R. GRIFFITHS, Baltimore, MD
CHARLES J. HEYSER, Lancaster, PA
STEPHEN G. HOLTZMAN, Atlanta, GA
SANDY HOGG, Copenhagen, Denmark
CHRIS-ELLYN JOHANSON, Detroit, MI
HAROLD KALANT, Toronto, Ontario, Canada
KATHLEEN M. KANTAK, Boston, MA
ANN E. KELLEY, Madison, WI
RAYMOND P. KESNER, Salt Lake City, UT

CONAN KORNETSKY, Boston, MA
J. DAVID LEANDER, Indianapolis, IN
EMINY H. Y. LEE, Taipei, Taiwan
ALLEN S. LEVINE, Minneapolis, MN
WILLIAM J. McBRIDE, Indianapolis, IN
DONALD E. McMILLAN, Little Rock, AR
JACK H. MENDELSON, Belmont, MA
ROBERT D. MYERS, Greenville, NC
R. JOHN RODGERS, Leeds, UK
JAQUELINE SAGEN, Providence, RI
PAUL R. SANBERG, Tampa, FL
PHIL SKOLNICK, Hackensack, NJ
JAMES E. SMITH, Winston-Salem, NC
SHELDON B. SPARBER, Minneapolis, MN
LINDA B. SPEAR, Binghamton, NY
CLARE STANFORD, London, UK
MARIE-HÉLÈNE THIÉBOT, Paris, France
M. PAZ VIVEROS, Madrid, Spain
JEANNE M. WEHNER, Boulder, CO
MATTHEW WEINGER, La Jolla, CA
FRIEDBERT WEISS, La Jolla, CA
ALICE M. YOUNG, Detroit, MI
IAN S. ZAGON, Hershey, PA

PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR

Managing Editors:

In the US:

Gery Schulteis

E-mail: gfkpbb@scripps.edu

In Europe:

Pallab Seth

E-mail: pbbeuro@kcl.ac.uk

Publishing and Advertising Office: Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010, USA; E-mail: esuk.usa@elsevier.com

Advertising information. Advertising orders and enquiries can be sent to: **USA, Canada and South America:** Mr Tino DeCarlo, The Advertising Department, Elsevier Science Inc., 360 Park Avenue South, New York, NY 10010-1710, USA; phone: (+ 1) (212) 633 3815; fax: (+ 1) (212) 633 3820; e-mail: t.decarlo@elsevier.com. **Japan:** The Advertising Department, Elsevier Science K.K., 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+ 81) (3) 5561 5033; fax: (+ 81) (3) 5561 5047. **Europe and ROW:** Commercial Sales Department, Elsevier Science Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+ 44) 1865 843016; fax: (+ 44) 1865 843976; e-mail: media@elsevier.com.

Reprints of any article in this journal are available for purchase in quantities of 100 or more. Please contact Anne Rosenthal, Commercial Reprints Dept., Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107, USA. Tel: (212) 633-3813, Fax: (212) 633-3820, E-mail: a.rosenthal@elsevier.com

Published Monthly: Annual Institutional Subscription Rate (2003): Personal price: euro 336.00 for European countries; US \$ 377.00 for all countries except Europe and Japan. Subscription price: euro 3,171.00 for European countries; US\$ 3,547.00 for all countries except Europe and Japan. Prices include postage and are subject to change without notice.

Orders, claims, and product enquiries: please contact the Customer Support Department at the Regional Sales Office nearest you:

New York: Elsevier Science, PO Box 945, New York, NY 10159-0945, USA; phone: (+ 1) (212) 633 3730 [toll free number for North American customers: 1-888-4ES-INFO (437-4636)]; fax: (+ 1) (212) 633 3680; e-mail: usinfo-f@elsevier.com

Amsterdam: Elsevier Science, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone (+ 31) 20 485 3757; fax: (+ 31) 20 485 3432; e-mail: nlinfo-f@elsevier.com

Tokyo: Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+ 81) (3) 5561 5033; fax: (+ 81) (3) 5561 5047; e-mail: info@elsevier.co.jp

Singapore: Elsevier Science, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+ 65) 6349 0200; fax: (+ 65) 6733 1510; e-mail: asiainfo@elsevier.com.sg

Rio de Janeiro: Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil; phone: (+ 55) (21) 509 5340; fax: (+ 55) (21) 507 1991; e-mail: elsevier@campus.com.br [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

Pharmacology Biochemistry and Behavior is an official journal of the International Behavioral Neuroscience Society. For information about the society, please contact: Marianne Van Wagner, IBNS Central Office, Division of Life Sciences, The University of Texas at San Antonio, 6900 North Loop 1604 West, San Antonio, TX 78249-0662, USA. E-mail: editoff@lonestar.utsa.edu; Tel: (210) 458-4481; Fax: (210) 458-4510. Members of the International Behavioral Neuroscience Society may order personal subscriptions at a concessional rate; details of this rate are available upon request.

PHARMACOLOGY BIOCHEMISTRY & BEHAVIOR

CONTENTS

VOLUME 74 NUMBER 2 2003

continued

- Lack of midazolam-induced anxiolysis in the plus-maze Trial 2 is dependent on the length of Trial 1.**
DAL-CÓL, M.L.C., L.O. PEREIRA, V.P. ROSA, A.V. CALIXTO, A.P. CAROBREZ and M.S. FARIA 395
- Attenuated adrenocortical and blood pressure responses to psychological stress in ad libitum and abstinent smokers.**
AL'ABSI, M., L.E. WITTMERS, J. ERICKSON, D. HATSUKAMI and B. CROUSE 401
- Role of hippocampal M₁ and M₄ muscarinic receptor subtypes in memory consolidation in the rat.**
FERREIRA, A.R., L. FÜRSTENAU, C. BLANCO, E. KORNISIUK, G. SÁNCHEZ, D. DAROIT, M.C. E SILVA, C. CERVENANSKY, D. JERUSALINSKY and J.A. QUILLFELDT 411
- Evidence for involvement of neuropeptide Y and melanocortin systems in the hyperphagia of lactation in rats.**
CROWLEY, W.R., G. RAMOZ and B. HURST 417
- Effects of catecholamine depletion on D₂ receptor binding, mood, and attentiveness in humans: A replication study.**
VERHOEFF, N.P.L.G., B.K. CHRISTENSEN, D. HUSSEY, M. LEE, G. PAPTAEODOROU, L. KOPALA, Q. RUI, R.B. ZIPURSKY and S. KAPUR 425
- Sex differences in the effects of muramyl dipeptide and lipopolysaccharide on locomotor activity and the development of behavioral tolerance in rats.**
ENGELAND, C.G., M. KAVALIERS and K.-P. OSSENKOPP 433
- Effects of chronic cocaine on monoamine levels in discrete brain structures of lactating rat dams.**
LUBIN, D.A., J.B. CANNON, M.C. BLACK, L.E. BROWN and J.M. JOHNS 449
- A microdialysis study of glutamate concentration in the hippocampus of rats after TsTX toxin injection and blockade of toxin effects by glutamate receptor antagonists.**
NENCIONI, A.L.A., I. LEBRUN and V.A.C. DORCE 455
- Possible involvement of potassium channels in peripheral antinociception induced by metamizol: Lack of participation of ATP-sensitive K⁺ channels.**
ORTIZ, M.I., G. CASTAÑEDA-HERNÁNDEZ and V. GRANADOS-SOTO 465
- Ethanol effects on three strains of zebrafish: Model system for genetic investigations.**
DLUGOS, C.A. and R.A. RABIN 471
- Protective effect of *Nardostachys jatamansi* in rat cerebral ischemia.**
SALIM, S., M. AHMAD, K.S. ZAFAR, A.S. AHMAD and F. ISLAM 481
- Intrathecal histamine induces spinally mediated behavioral responses through tachykinin NK₁ receptors.**
SAKURADA, S., T. ORITO, S. FURUTA, H. WATANABE, J.I. MOBARAKEH, K. YANAI, T. WATANABE, T. SATO, K. ONODERA, C. SAKURADA and T. SAKURADA 487
- Meal patterns in male rats during and after intermittent nicotine administration.**
BELLINGER, L., A. CEPEDA-BENITO and P.J. WELLMAN 495
- Evidence that the anorexia induced by lipopolysaccharide is mediated by the 5-HT_{2C} receptor.**
VON MEYENBURG, C., W. LANGHANS and B.J. HRUPKA 505

INDEXED in *Current Contents/Life Sciences*, *Science Citation Index®*, *Index Medicus*, *MEDLINE*, *MEDLARS*, *EMBASE/Excerpta Medica*, *Elsevier BIOBASE/Current Awareness in Biological Sciences*, *ETOH*, and *BIOSIS*

ISSN 0091-3057

829