

Volume 265
April-June
1993

The Journal of PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

*A Publication of The American Society
for Pharmacology and Experimental Therapeutics*

Founded by John J. Abel 1909

EDITOR

John A. Harvey

ASSISTANT EDITOR

Jay Roberts

EDITORS FOR SPECIFIC FIELDS

Analgesia and Drugs of Abuse

Billy R. Martin
Frank Porreca

Autonomic Pharmacology

Gregory D. Fink
Suzanne G. Laychock
Kenneth P. Minneman

Behavioral Pharmacology

Linda A. Dykstra
Lewis S. Seiden

Cardiovascular Pharmacology

Edwin E. Daniel
Sue Piper Duckles
Harry S. Margolius
R. Clinton Webb

Cellular Pharmacology

Toshio Narahashi
Ronald P. Rubin
George B. Weiss

Chemotherapy

H. George Mandel

Developmental Pharmacology

Bernard L. Mirkin

Drug Metabolism and Disposition

Edward Bresnick
Grant R. Wilkinson

Endocrine Pharmacology

Paula H. Stern

Gastrointestinal Pharmacology

Timothy S. Gaginella
David R. Brown

Immunopharmacology

John W. Hadden

Neuropharmacology

David B. Bylund
S. J. Enna
James W. Gibb
Barry J. Hoffer
Elaine Sanders-Bush

Prostaglandins, Leukotrienes and Other Eicosanoids

K. U. Malik

Pulmonary Pharmacology

Mannfred A. Hollinger

Renal Pharmacology

William O. Berndt
Alan S. Nies

Toxicology

Curtis D. Klaassen

EDITORIAL ADVISORY BOARD

Margaret Acara
Martin W. Adler
Edson X. Albuquerque
Julius C. Allen
William D. Atchison
Robert L. Balster
Paul Bass
Michael A. Beaven
Donald M. Bers
C. Paul Bianchi
David A. Blake
Floyd E. Bloom
Peter G. Bradford
Craig D. Brater
Carl K. Buckner
Theodore J. Cicero
Marlene L. Cohen
Charles R. Craig
William C. de Groat
Louis Diamond
Walter R. Dixon
Thomas V. Dunwiddie

Hugh L. Evans
Jerry M. Farley
Harold Feinberg
Stephen K. Fisher
Garret A. FitzGerald
Jerome H. Fleisch
Alan Frazer
Ray W. Fuller
James J. Galligan
C. Norman Gillis
Thomas P. Green
R. Adron Harris
J. Paul Hieble
Stephen G. Holtzman
Jerry B. Hook
Edwin K. Jackson
E. H. Jeffery
Kenneth M. Johnson
George J. Kaloyanides
Terry Kenakin
David D. Ku
George E. Lindenmayer

Benedict R. Lucchesi
Thomas A. McCalden
Robert B. McCall
Donald E. McMillan
William H. Morse
Hasan Mukhtar
Kevin Mullane
L. Charles Murrin
Jose M. Musacchio
Norton H. Neff
Jon A. Norman
Eliot H. Ohlstein
Achilles J. Pappano
Gavril W. Pasternak
Larissa A. Pohorecky
Garth Powis
Russell A. Prough
David Raeburn
Saul M. Schanberg
Paul J. Silver
David J. Smith
Roger P. Smith
Roger D. Speakman

Jack W. Strandhoy
John L. Sutko
Boris Tabakoff
David A. Taylor
Thomas R. Tephly
Richard E. Tessel
Martin J. M. C. Thoolen
Pieter B. M. W. M. Timmermans
Myron L. Toews
Theodore J. Torphy
John T. Turner
Norman J. Uretsky
Paul M. Vanhoutte
Robert E. Vestal
Larry A. Walker
Martin A. Wasserman
R. Clinton Webb
Michael Williams
Patricia D. Williams
Martin M. Winbury
Raymond J. Winquist
Alice M. Young

BOARD OF PUBLICATIONS TRUSTEES

Kenneth E. Moore, *Chairman*: Arthur J. Atkinson, Jr., William A. Catterall, Marlene L. Cohen, T. Kendall Harden, John A. Harvey, Horace Loh, Marcus M. Reidenberg, Robert E. Stitzel, Vincent G. Zannoni

EXECUTIVE OFFICER OF THE SOCIETY

Kay Croker