MOLECULAR PHARMACOLOGY

EDITOR: WILLIAM A. CATERALL, University of Washington

ASSOCIATE EDITORS: JOSEPH A. BEAVO, University of Washington
MONT R. JUCHAU, University of Washington
NEIL M. NATHANSON, University of Washington
DANIEL R. STORM, University of Washington
FRANK F. VINCENZI, University of Washington

EDITORIAL ASSISTANT: JOAN M. BURTON, University of Washington

EDITORIAL AND ADVISORY BOARD

R. B. BARLOW, University of Bristol
L. L. BENNETT, Jr., Southern Research Institute
N. J. M. BIRDSALL, National Institute for Medical Research, Mill Hill
JOEL BOCKAERT, Centre CNRS-INSERM de Pharmacologie et Endocrinologie, Montpellier, France
HENRY R. BOURNE, University of California, San Francisco
BRUCE MCL. BRECKENRIDGE, UMDNJ-Rutgers Medical School
THEODORE M. BRODY, Michigan State University
CHARLES O. BROSTROM, UMDNJ-Rutgers Medical School
JOAN HELLER BROWN, University of California, San Diego
MARC G. CARON, Duke University
COLIN F. CHIGNELL, National Institute of Environmental Health Sciences
P. MICHAEL CONN, University of Iowa
BRIAN M. COX, Uniformed Services University of the Health Sciences
JOHN W. DALY, National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases
ROBERT F. FURCIGOTT, State University of New York, Downstate Medical Center
ALFRED G. GILMAN, University of Texas Health Sciences Center, Dallas
ROBERT I. GLAER, National Cancer Institute
DAVID V. GODIN, University of British Columbia
AVRAM GOLDSTEIN, Addiction Research Foundation, Palo Alto
DORA B. GOLDSTEIN, Stanford University
PHILIP GUEZELIAN, Medical College of Virginia
ROBERT P. HANZLIK, University of Kansas
T. KENDALL HARDEN, University of North Carolina
LUBOMIR S. HNILICA, Vanderbilt University
PAUL A. INSEL, University of California, San Diego
ERIC F. JOHNSON, Scripps Clinic and Research Foundation
GARY JOHNSON, University of Massachusetts Medical Center

LAURENCE S. KAMINSKY, State of New York Department of Health
JOYCE J. KAUFMAN, Johns Hopkins University
LEMON B. KIER, Medical College of Virginia
ROBERT J. LEFKOWITZ, Duke University
WAYNE LEVIN, Hoffmann-La Roche Inc.
ANTHONY Y. H. LU, Merck Sharp & Dohme Research Laboratories
MICHAEL E. MAGUIRE, Case Western Reserve University
KEITH W. MILLER, Harvard University
RICHARD J. MILLER, University of Chicago
KENNETH P. MINNEMAN, Emory University
PERRY B. MOLINOFF, University of Pennsylvania
PAUL R. ORTIZ DE MONTELLANO, University of California, San Francisco
JOHN P. PERKINS, University of North Carolina
RICHARD M. PHILPOT, National Institute of Environmental Health Sciences
ALAN POLAND, University of Wisconsin
JAMES W. PUTNEY, Jr., Medical College of Virginia
H. P. RANG, University College, London
PETER W. REED, Vanderbilt University
JOHN B. SCHENKMAN, University of Connecticut
ARNOLD SCHWARTZ, University of Cincinnati
IAN C. P. SMITH, National Research Council of Canada, Ottawa
PALMER TAYLOR, University of California, San Diego
JAMES R. TRUDELL, Stanford University
VOLKER ULLRICH, University of Konstanz
WYLER W. VALE, Salk Institute, San Diego
O. H. VIVEROS, Wellcome Research Laboratories
MICHAEL J. WARING, University of Cambridge
HAREL WEINSTEIN, Mount Sinai School of Medicine
J. N. WELLS, Vanderbilt University
BARRY B. WOLFE, University of Pennsylvania
SUZANNE ZUKIN, Albert Einstein College of Medicine

BOARD OF PUBLICATIONS TRUSTEES
WILLIAM W. FLEMING, Chairman
KAY A. CROKER, Executive Officer

JAMES A. BAIN
JOSEPH R. BIANCHINE
JOEL G. HARDMAN
EVA KING KILLAM
BETTIE SUE MASTERS

JERRY R. MITCHELL
MARCUS M. REIDENBERG
IRVING I. A. TABACHNICK
PALMER TAYLOR
VINCENT G. ZANNONI