MOLECULAR PHARMACOLOGY

EDITOR: JOEL G. HARDMAN, Vanderbilt University
ASSOCIATE EDITORS: LEE E. LIMBIRD, Vanderbilt University
F. PETER GUENGERICHS, Vanderbilt University
EDITORIAL ASSISTANT: CORNELIA W. SHAW, Vanderbilt University

EDITORIAL AND ADVISORY BOARD

EARL BARIL, Worcester Foundation for Experimental Biology
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
A. S. V. BURGEN, University of Cambridge
MARC G. CARON, Duke University
WILLIAM A. CATTERALL, University of Washington
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
MOHYEE ELDEFRAWI, University of Maryland
ROBERT F. FURCHGOTT, State University of New York, Downstate Medical Center
ALFRED G. GILMAN, University of Texas Health Sciences Center, Dallas
ROBERT I. GLAEZER, National Cancer Institute
DAVID V. GODIN, University of British Columbia
AVRAM GOLDSTEIN, Addiction Research Foundation, Palo Alto
DORA B. GOLDSTEIN, Stanford University
H. JOSEPH GOREN, University of Calgary
T. KENDALL HARDEN, University of North Carolina
LUBOMIR S. HNILICA, Vanderbilt University
PAUL A. INSEL, University of California, San Diego
DONALD M. JERINA, National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases
ERIC F. JOHNSON, Scripps Clinic and Research Foundation
LAURENCE S. KAMINSKY, State of New York Department of Health
JOYCE J. KAUFMAN, Johns Hopkins University
LEMON T. 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
GILBERT J. MANNERING, University of Minnesota
RONALD N. MCELANEY, University of Alberta
KEITH W. MILLER, Harvard University
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
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
DAVID N. SILVERMAN, University of Florida
ERIC J. SIMON, New York University
IAN C. P. SMITH, National Research Council of Canada, Ottawa
PALMER TAYLOR, University of California, San Diego
SNORRI S. THORGEBIRSON, National Cancer Institute
JAMES R. TRUDELL, Stanford University
VOLKER ULLRICH, University of Konstanz
DAVID C. U'PRICHARD, Nova Pharmaceutical Corporation
WYLIE W. VALE, Salk Institute, San Diego
ELLIOT S. VESELL, Pennsylvania State University
FRANK F. VINCENZI, University of Washington
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

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
CLEMENT A. STONE
PALMER TAYLOR
VINCENT G. ZANNONI