MOLECULAR PHARMACOLOGY

EDITOR: NORMAN KIRSHNER, Duke University
ASSOCIATE EDITOR: T. A. SLOTKIN, Duke University

EDITORIAL AND ADVISORY BOARD

R. B. BARLOW, University of Bristol
L. L. BENNETT, JR., Southern Research Institute
BRUCE BRECKENRIDGE, Rutgers Medical School
THEODORE M. BRODY, Michigan State University
ERNEST BUEDING, Johns Hopkins University
A. S. V. BURGEN, National Institute for Medical Research, London
COLIN F. CHONGNELL, National Institute of Environmental Health Sciences
RONALD CHUANG, Oral Roberts University
DOMINICK L. CINTI, University of Connecticut
JOHN W. DALY, National Institute of Arthritis, Metabolism and Digestive Diseases
JAMES N. DAVIS, Duke University
GEORGE I. DRUMMOND, University of Calgary
MOHIT E. ELDERFRAWI, University of Maryland
JAMES R. FOUTS, National Institute of Environmental Health Sciences
ROBERT F. FURCHGOTT, State University of New York, Downstate Medical Center
ALFRED G. GILMAN, University of Virginia
ROBERT I. GLAIZER, National Cancer Institute
DAVID V. GODIN, University of British Columbia
AVRAM GOLDSTEIN, Addiction Research Foundation, Palo Alto
H. JOSEPH GOREN, University of Calgary
ROBERT E. HANDSCHUMACHER, Yale University
CHARLES HEIDELBERGER, LAC-USC Cancer Center, Los Angeles
GEORGE H. HITCHINGS, Wellcome Research Laboratories
ARTHUR KARLIN, Columbia University
JOYCE J. KAUFMAN, Johns Hopkins University
SEYMOUR KAUFMAN, National Institute of Mental Health
ERNST KIN, University of California, San Francisco
HERBERT D. LANDHAR, University of California, San Francisco
ROBERT J. LEFKOWITZ, Duke University
ANTHONY Y. H. LU, Merck, Sharp, and Dohme Research Laboratories
GILBERT J. MANNERING, University of Minnesota
BRUCE MCEWEN, Rockefeller University
RONALD M. MCELHANEY, University of Alberta
KEITH W. MILLER, Harvard Medical School
PERRY B. MOLINOFF, University of Colorado
DANIEL W. NEBERT, National Institute of Child Health and Human Development

CHARLES A. NICHOL, Wellcome Research Laboratories
JOHN P. PERKINS, University of North Carolina
ALAN POLAND, McArdle Laboratory for Cancer Research, University of Wisconsin
BERNARD PULLMAN, Edmond Rothschild Institut de Biologie Physico-Chemique
K. V. RAJAGOPALAN, Duke University
H. P. RANG, University College, London
MARTIN RODBELL, National Institute of Arthritis, Metabolism and Digestive Diseases
GERALD ROSEN, Duke University
JOHN B. SCHENKMAN, University of Connecticut
ISRAEL SILMAN, The Weizmann Institute of Science
DAVID SILVERMAN, University of Florida
IAN C. P. SMITH, National Research Council of Canada, Ottawa
SOLOMON H. SNYDER, Johns Hopkins University
PAUL TALALAY, Johns Hopkins University
JAMES R. TRUDELL, Stanford University
PAUL O. P. YU, Johns Hopkins University
SIDNEY UDENFRIEND, Roche Institute of Molecular Biology
DAVID C. UPRICHARD, Northwestern University
WYLER W. VALE, Salk Institute, San Diego
MARTHA VAUGHAN, National Institutes of Health, Bethesda
Elliott S. Vezzelli, Pennsylvania State University
O. H. VIVEROS, Wellcome Research Laboratories
HAREL WEINSTEIN, Mount Sinai School of Medicine
H. G. WILLIAMS-ASHMAN, University of Chicago

BOARD OF PUBLICATIONS TRUSTEES

NORMAN WEINER, Chairman
HOUSTON BAKER (Ex Officio), Executive Officer

GEORGE I. DRUMMOND
LEON I. GOLDBERG
EVA KIN GILLAM
NORMAN KIRSHNER
KENNETH C. LEIBMAN

GILBERT J. MANNERING
WALTER MODELL
PAUL L. MUNSON
CLEMENT A. STONE