

MOLECULAR PHARMACOLOGY

EDITOR: NORMAN KIRSHNER, *Duke University*

ASSOCIATE EDITOR: T. A. SLOTKIN, *Duke University*

EDITORIAL AND ADVISORY BOARD

EARL BARIL, *Worcester Foundation of Experimental Biology*

R. B. BARLOW, *University of Bristol*

L. L. BENNETT, JR., *Southern Research Institute*

N. J. M. BIRDBALL, *National Institute for Medical Research*

JOËL BOCKAERT, *Collège de France, Paris*

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*

WILLIAM CATTERALL, *University of Washington*

COLIN F. CHIGNELL, *National Institute of Environmental Health Sciences*

RONALD CHUANG, *University of California, Davis*

DOMINICK L. CINTI, *University of Connecticut*

P. MICHAEL CONN, *Duke University*

BRIAN COX, *Uniformed Services University of the Health Sciences*

JOHN W. DALY, *National Institute of Arthritis, Metabolism and Digestive Diseases*

JAMES N. DAVIS, *Duke University*

GEORGE I. DRUMMOND, *University of Calgary*

MOHYEE E. ELDEFRAWI, *University of Maryland*

ROBERT F. FURCHGOTT, *State University of New York, Downstate Medical Center*

ALFRED G. GILMAN, *University of Texas Health Science Center, Dallas*

ROBERT I. GLAZER, *National Cancer Institute*

DAVID V. GODIN, *University of British Columbia*

AVRAM GOLDSTEIN, *Addiction Research Foundation, Palo Alto*

H. JOSEPH GOREN, *University of Calgary*

CHARLES HEIDELBERGER, *LAC-USC Cancer Center, Los Angeles*

GEORGE H. HITCHINGS, *Wellcome Research Laboratories*

DONALD JERINA, *National Institute of Arthritis, Metabolism and Digestive Diseases*

ARTHUR KARLIN, *Columbia University*

JOYCE J. KAUFMAN, *Johns Hopkins University*

SEYMOUR KAUFMAN, *National Institute of Mental Health*

LEMONT B. KIER, *Medical College of Virginia*

ERNEST KUN, *University of California, San Francisco*

HERBERT D. LANDAHL, *University of California, San Francisco*

ROBERT J. LEFKOWITZ, *Duke University*

ANTHONY Y. H. LU, *Merck, Sharp & Dohme Research Laboratories*

KARL MAGLEBY, *University of Miami*

GILBERT J. MANNERING, *University of Minnesota*

RONALD M. McELHANEY, *University of Alberta*

KEITH W. MILLER, *Harvard University*

PERRY B. MOLINOFF, *University of Pennsylvania*

DANIEL W. NEBERT, *National Institute of Child Health and Human Development*

CHARLES A. NICHOL, *Wellcome Research Laboratories*

JOHN P. PERKINS, *University of North Carolina*

RICHARD M. PHILPOT, *National Institute of Environmental Sciences*

BERNARD PULLMAN, *Edmond Rothschild Institut de Biologie Physico-Chimique, Paris*

K. V. RAJAGOPALAN, *Duke University*

H. P. RANG, *University College, London*

ELLIOTT RICHELSON, *Mayo Clinic*

MARTIN RODBELL, *National Institute of Arthritis, Metabolism and Digestive Diseases*

GERALD ROSEN, *Duke University*

JOHN B. SCHENKMAN, *University of Connecticut*

ARNOLD SCHWARTZ, *University of Cincinnati*

DAVID SILVERMAN, *University of Florida*

IAN C. P. SMITH, *National Research Council of Canada, Ottawa*

SOLOMON H. SNYDER, *Johns Hopkins University*

SNORRI S. THORGEIRSSON, *National Cancer Institute*

JAMES R. TRUDELL, *Stanford University*

PAUL O. P. Ts'o, *Johns Hopkins University*

DAVID C. U'PRICHARD, *Northwestern University*

WYLIE W. VALE, *Salk Institute, San Diego*

ELLIOT S. VESELL, *Pennsylvania State University*

O. H. VIVEROS, *Wellcome Research Laboratories*

MICHAEL J. WARING, *University of Cambridge*

HAREL WEINSTEIN, *Mount Sinai School of Medicine*

BOARD OF PUBLICATIONS TRUSTEES

NORMAN WEINER, *Chairman*

KAY CROKER (Ex Officio), *Executive Officer*

GEORGE I. DRUMMOND

LEON I. GOLDBERG

JOEL HARDMAN

EVA KING KILLAM

NORMAN KIRSHNER

KENNETH C. LEIBMAN

WALTER MODELL

PAUL L. MUNSON

CLEMENT A. STONE