Drug Metabolism and Disposition
A Publication of the American Society for Pharmacology and Experimental Therapeutics
Founded by Kenneth C. Leibman—1973

Xinxin Ding, Editor

ASSOCIATE EDITORS

MINIREVIEWS EDITORS
Yurong Lai and Xiao-bo Zhong

SCIENTIFIC ADVISORY BOARD

EDITORIAL BOARD MEMBERS

Lauren Alekunes
Pieter P.J. Annaert
Upendra Argikar
Thomas Baillie
Huichang Bi
Michael Cameron
Matthew A. Cerny
Eric Chan
Thomas K.H. Chang
Cuiping Chen
Nathan Cherrington
Uwe Christians
Julia Cui

Hiroyuki Kusuhara
Lawrence H. Lash
Elaine Leslie
Chuan Li
Xingrong Liu
Xiaochao Ma
Kazuya Maeda
Don Mager
Qingcheng Mao
José J.G. Marín
Donald Mercante
Gровер P. Miller
Swati Nagar

Baitang Ning
K. Sandy Pang
Micheline Piquette-Miller
Blagwatt Prasad
Brooke Rock
Aarti Sawant-Basak
Emily E. Scott
Michael Sinz
Raju Subramanian
Yun K. Tam
Ikumi Tamai
Mitchell E. Taub
Rommel Tirona
Brad Urquhard
Jan Wahlstrom
Joanne Wang
Ronald E. White
Fang Xie
Wen Xie
Shinji Yamazaki
Maciej Zamec-Gliszczynski
Su Zeng
Donglu Zhang
Jiang Zheng
Michael Zientek

PUBLICATIONS COMMITTEE
Emily E. Scott, Chair; Laura Bohn, Lynette Daws, Xinxin Ding, Beverley Greenwood-Van Meerweld, Michael F. Jarvis, J. Steven Leeder, Adriano Marchese, Kathryn E. Meier, Gary O. Rankin, Susan Wood; and Mohamed Ghonim, ex officio Young Scientist Representative

ASPET EXECUTIVE OFFICER: Dave Jackson
Publications Director: Maria Pasho Senior Journal Operations Manager: Jacqueline Perry Peer Review Coordinator: Suzanne Cholwek

Drug Metabolism and Disposition (ISSN 1521-009X) is published monthly (one volume per year) online only by the American Society for Pharmacology and Experimental Therapeutics, 1801 Rockville Pike, Suite 210, Rockville, MD 20852-1633. E-mail: subscriptions@aspet.org. ASPET web site: aspet.org. Journal web site: dmd.aspetjournals.org. Subscription rates at aspetjournals.org/site/subscriptions/index.xhtml. GST Tax Number for Canadian subscribers: BN: 134899739R. Telephone: 301-634-7060. Fax: 301-634-7061. E-mail: subscriptions@aspet.org. ASPET will help institutional subscription administrators update IP address ranges as requested. Subscription administrators can make these changes at the journal site using their account user name and password. ASPET will help institutional subscription administrators update IP address ranges as requested. Subscription administrators can make these changes at the journal site using their account user name and password. Reprints of individual articles are available from the journal web site using the pay-per-view option for nonsubscribers. Reprints in large quantities for commercial or academic use may be purchased from ASPET. For information and prices, call 301-634-7063. Copyright information: Drug Metabolism and Disposition is copyrighted by the American Society for Pharmacology and Experimental Therapeutics. All permissions requests are processed through the Copyright Clearance Center (CCC), Inc. at https://www.copyright.com/get-permissions. Photocopying or printing articles beyond that permitted by Sections 107 and 108 of the U.S. Copyright Law is allowed, provided that the $35.00-per-copy fee is paid through the CCC. Classroom photocopying is permitted at no fee, provided that students are not charged more than the cost of duplication. This consent does not extend to other kinds of copying. Reproduction of any portion of an article for subsequent republication requires permission of ASPET. Disclaimer: The statements and opinions contained in the articles of Drug Metabolism and Disposition are solely those of the individual authors and contributors and not of the American Society for Pharmacology and Experimental Therapeutics. The appearance of advertisements in the journal is not a warranty, endorsement, or approval of the products or their safety. The American Society for Pharmacology and Experimental Therapeutics disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in any article or advertisement. Copyright © 2022 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved.