

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

Wayne L. Backes, Deepak K. Dalvie, Robert S. Foti, Nina Isoherranen,
J. Steven Leeder, R. Scott Obach, Mary Paine, David S. Riddick, John D. Schuetz,
and Aiming Yu

MINIREVIEWS EDITORS

Yurong Lai and Xiao-bo Zhong

SCIENTIFIC ADVISORY BOARD

M.W. Anders, Frederick P. Guengerich, James R. Halpert, Magnus Ingelman-Sundberg, Eric F. Johnson,
Anthony Y. Lu, Bettie Sue Masters, Edward T. Morgan, and Paul R. Ortiz De Montellano

EDITORIAL BOARD MEMBERS

Lauren Aleksunes	Raymond Evers	Hiroyuki Kusuhara	Baitang Ning	Brad Urquhard
Pieter P.J. Annaert	Aleksandra Galetin	Lawrence H. Lash	K. Sandy Pang	Jan Wahlstrom
Upendra Argikar	Kerry Goralski	Elaine Leslie	Micheline Piquette-Miller	Joanne Wang
Thomas Baillie	Raj Govindarajan	Chuan Li	Bhagwat Prasad	Ronald E. White
Huichang Bi	Bruno Hagenbuch	Xiaochao Ma	Brooke Rock	Fang Xie
Michael Cameron	Ronald N. Hines	Kazuya Maeda	Aarti Sawant-Basak	Wen Xie
Matthew A. Cerny	Min Huang	Don Mager	Emily E. Scott	Shinji Yamazaki
Eric Chan	W. Griffith Humphreys	Qingcheng Mao	Michael Sinz	Maciej Zamec-Glisczynski
Thomas K.H. Chang	J. Matthew Hutzler	José J.G. Marín	Raju Subramanian	Su Zeng
Cuiping Chen	Margaret O. James	Donald Mercante	Yun K. Tam	Donglu Zhang
Nathan Cherrington	Hyunyoung Jeong	Grover P. Miller	Ikumi Tamai	Jiang Zheng
Uwe Christians	Amit S. Kalgutkar	Swati Nagar	Mitchell E. Taub	Michael Zientek
Julia Cui			Rommel Tirona	

PUBLICATIONS COMMITTEE

Laura Bohn, Lynette Daws, Xinxin Ding, Beverley Greenwood-Van Meerveld, 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: 13489 2330 RT.

Indexed or abstracted by: *Biochemistry & Biophysics Citation Index*®, *Biological Abstracts*, *BIOSIS Previews Database*, *Bio-Sciences Information Services*, *Current Awareness in Biological Sciences*, *Current Contents*®/*Life Sciences*, *EMBASE/Excerpta Medica*, *Index Medicus*, *International Pharmaceutical Abstracts*, *Medical Documentation Service*®, *Reference Update*®, *Research Alerts*®, *Science Citation Index*®, *SciSearch*®, and *SIIC Data Bases*.

Journal and ASPET office: 1801 Rockville Pike, Suite 210, Rockville, MD 20852-1633. Telephone: 301-634-7060. Fax: 301-634-7061. E-mail: info@aspet.org. ASPET web site: aspet.org. Journal web site: dmd.aspetjournals.org.

Editorial matters should be addressed to Dr. Xinxin Ding, Editor, *Drug Metabolism and Disposition*, at the above address.

Instructions to Authors: See dmd.aspetjournals.org for the Instructions to Authors and information on ASPET Authorship Responsibility, Financial Disclosure, and Chemical Structure policies.

Subscriptions: Contact the ASPET Subscriptions Dept., 1801 Rockville Pike, Suite 210, Rockville, MD 20852-1633. Telephone: 301-634-7782. Fax: 301-634-7061. E-mail: subscriptions@aspet.org. See aspetjournals.org/site/subscriptions/index.xhtml for rates.

Change of IP addresses: 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.