

The American Journal of **PATHOLOGY** Cellular and Molecular Biology of Disease

Editor-in-Chief

Jay M. McDonald, *University of Alabama at Birmingham*

Senior Associate Editor

Gene P. Siegal, *University of Alabama at Birmingham*

Associate Editors

Patricia A. D'Amore	<i>Schepens Eye Research Institute</i>
Lora Hedrick Ellenson	<i>Cornell University</i>
Philip Furmanski	<i>Rutgers University</i>
Mary J.C. Hendrix	<i>Northwestern University</i>
David M. Hockenbery	<i>Fred Hutchinson Cancer Research Center</i>
Dontscho Kerjaschki	<i>Medical University of Vienna</i>
Andrew A. Lackner	<i>Tulane University</i>
Kevin Moore	<i>University College London</i>
Brian J. Nickoloff	<i>Loyola University of Chicago Medical Center</i>
Yasunori Okada	<i>Keio University</i>
Charles A. Parks	<i>Emory University</i>
Sem H. Phan	<i>University of Michigan</i>
Kevin A. Roth	<i>University of Alabama at Birmingham</i>
Jeffrey E. Saffitz	<i>Beth Israel Deaconess Medical Center</i>

Special Associate Editor

Peter A. Ward, *University of Michigan*

Editorial Board

Sarki A. Abdulkadir	Set suo Hirohashi	Massimo Pignatelli
Malcolm Alison	Edward A. Hoover	Janardan K. Reddy
Charles E. Alpers	Ralph H. Hruban	Mark A. Rubin
Kenneth E. Bernstein	Nicholas H. Hunt	David B. Sacks
Kim Boekelheide	Harriet C. Isom	Eric P. Sandgren
Jeff Boyd	Elaine S. Jaffe	Eveline E. Schneeberger
Arnold R. Brody	Raghu Kalluri	Lucia Schuger
Daniel C. Bullard	Yashpal S. Kanwar	Darryl Shibata
Wing (John) Chan	Levon M. Khachigian	Mark Shlomchik
Yuan Chang	Daniel M. Knowles	Patricia S. Steeg
Michael B. Cohen	Edward Koo	William G. Stetler-Stevenson
Tucker Collins	Rakesh K. Kumar	Gary E. Striker
Jeffrey Cossman	Steven L. Kunkel	Peter Tipping
Robert D'Amato	Andrea C. LeBlanc	Thea D. Tlsty
Victor Darley-Usmar	William Lewis	John Q. Trojanowski
Dennis W. Dickson	Michael P. Lisanti	Jerrold R. Turner
Nelson Fausto	Ricardo V. Lloyd	Mark L. Tykocinski
Jonathan A. Fletcher	David N. Louis	Matt van de Rijn
Thomas J. Flotte	John B. Lowe	Manjeri A. Venkatachalam
Agnes Fogo	Nicholas W. Lukacs	Roger A. Warnke
Matthew P. Frosch	James L. Madara	Casey T. Weaver
Martha B. Furie	Thomas J. Montine	Lawrence M. Weiss
Giulio Gabbiani	Brooke T. Mossman	David Witte
Kevin L. Gardner	George F. Murphy	T.C. Wu
Godfrey S. Getz	Ruth J. Muschel	Tesshi Yamada
Jeffrey A. Golden	Gary R. Pasternack	
Arum I. Gotlieb	George Perry	

Managing Editor

Maria Giorla Eisemann

Assistant Managing Editors

Henry L. Carter, Jr. Michael Dustin

Scientific Editor

Audra E. Cox, PhD, ELS

Editorial Assistants

Rachel J. Lowery Stacey Taylor
Martha W. Simmons (Birmingham)

Marketing Manager

Chanté R. Sedwick

The official journal of the American Society for Investigative Pathology seeks to publish high-quality, original papers on the cellular and molecular mechanisms of disease. The editors accept manuscripts that report important findings on disease pathogenesis or basic biological mechanisms relating to disease, without preference for a specific analytic method. High priority is given to studies on human disease and relevant experimental models using cellular, molecular, animal, biological, chemical and immunological approaches in conjunction with morphology.

<http://www.amjpathol.org>

The American Journal of Pathology (AJP) is published monthly in print (ISSN 0002-9440) and online (ISSN 1525-2191) by the American Society for Investigative Pathology, Inc. at 9650 Rockville Pike, Bethesda, Maryland 20814 (USA). Copyright © 2006 by the American Society for Investigative Pathology. All rights reserved. Periodicals postage paid at Bethesda, Maryland and at additional mailing offices. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 0954039.

POSTMASTER: Send address changes to The American Journal of Pathology, 9650 Rockville Pike, Bethesda, Maryland 20814 (USA).

2007 Subscription Rates (Includes shipping)

Institutional Subscriptions: (Includes Print and Online)

USA \$645
Canada/Mexico \$730
International \$755

Personal Subscriptions: (Includes Print and Online)

USA \$300
Canada/Mexico \$400
International \$400

Single Issues: (Print Only)

USA \$55
Canada/Mexico \$60
International \$60

2007 Subscription Prices for The American Journal of Pathology (AJP) and The Journal of Molecular Diagnostics (JMD) (Bundled pricing, includes shipping)

Institutional Subscriptions: (Includes Print and Online)

USA \$820
Canada/Mexico \$900
International \$920

All shipments outside the US are by expedited carrier. Subscription inquiries should be directed to The American Journal of Pathology, 9650 Rockville Pike, Bethesda, Maryland 20814 (USA). (Phone: 301-634-7959; Fax: 301-634-7961, Email: ajp@asip.org), or download subscription order form at: www.asip.org/pubs/ajp.htm.

Copyright Permission: Copyright Permission requests should be addressed to the Managing Editor, The American Journal of Pathology, 9650 Rockville Pike, Bethesda, MD 20814 (USA) (Phone: 301-634-7959; Fax: 301-634-7961, Email: permissions@asip.org).

Authorization to reproduce articles (in their entirety) for internal or personal use is granted by the American Society for Investigative Pathology, through the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the per-copy fee is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970.

Instructions to Authors can be found online at <http://ajp.amjpathol.org/misc/ffora.shtml>.

Advertising Inquiries (Including Classified): The American Journal of Pathology, 9650 Rockville Pike, Bethesda, Maryland 20814 (USA) (Phone: 301-634-7943; Fax: 301-634-7961, Email: clampton@asip.org).

Published by the
American Society for Investigative Pathology
Mark E. Sobel, Executive Officer
Jon S. Morrow, Publications Committee Chair