

Journal of Cellular Biochemistry

EXECUTIVE EDITORS

In the United States: **C. Fred Fox** • Department of Microbiology and Molecular Genetics, University of California, Los Angeles, CA 90024-1489
Gary S. Stein • Department of Cell Biology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655
In Europe: **Max M. Burger** • Friedrich-Miescher Institut, Postfach 2543, CH-4002 Basel, Switzerland

FIELD EDITORS

Garth L. Nicolson • Department of Tumor Biology (108), MD Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030
W. Jackson Pledger • H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL 33612-9497
James Watson • Department of Pathology, University of Auckland School of Medicine, Auckland, New Zealand

EDITORIAL BOARD

- Jorge E. Allende**
Universidad de Chile
Santiago, Chile
- Richard G. W. Anderson**
University of Texas Health Science Center
Dallas, TX
- Yves-Alain Barde**
Max-Planck Institute for Psychiatry
Martinsried, Germany
- J. Bar-Tana**
The Hebrew University
Jerusalem, Israel
- Avri Ben-Ze'ev**
Weizmann Institute of Science
Rehovot, Israel
- Ronald Berzney**
SUNY Buffalo
Buffalo, NY
- Jaswant Bhorjee**
National Cancer Institute
Bethesda, MD
- Mina J. Bissell**
Lawrence Berkeley Laboratory
Berkeley, CA
- E. Morton Bradbury**
University of California
Davis, CA
- Rodrigo Bravo**
Bristol-Myers Squibb
Princeton, NJ
- Edward Bresnick**
University of Massachusetts Medical Center
Worcester, MA
- Ralph Buttyan**
Columbia University
New York, NY
- Judith Campal**
Lawrence Berkeley Laboratory
Berkeley, CA
- Kermit L. Carraway**
University of Miami School of Medicine
Miami, FL
- Moses V. Chao**
Cornell Medical School
New York, NY
- Richard A. Clark**
State University of New York at Stony Brook
Health Science Center
Stony Brook, NY
- David R. Clemmons**
University of North Carolina
Chapel Hill, NC
- Carl M. Cohen**
St. Elizabeth's Hospital
Boston, MA
- Carlo M. Croce**
Jefferson Medical College
Thomas Jefferson University
Philadelphia, PA
- Dennis D. Cunningham**
University of California
Irvine, CA
- Michael P. Czech**
University of Massachusetts Medical Center
Worcester, MA
- James R. Davie**
University of Manitoba
Winnipeg, Canada
- Benoit De Crombrughe**
University of Texas
M.D. Anderson Cancer Center
Houston, TX
- Pierre De Meyts**
Hagedorn Research Laboratory
Genotote, Denmark
- David Denhardt**
Rutgers Laboratory
Piscataway, NJ
- Edward A. Dennis**
University of California-San Diego
La Jolla, CA
- Edward M. De Robertis**
University of California
Los Angeles, CA
- Rik Derynck**
University of California
San Francisco, CA
- William N. Drohan**
American Red Cross
Rockville, MD
- John Eisman**
Garvan Institute of Medical Research
Sydney, Australia
- John H. Elder**
Research Foundation of Scripps Clinic
La Jolla, CA
- Marilynn E. Etzler**
University of California
Davis, CA
- Charles H. Evans**
National Cancer Institute
National Institutes of Health
Bethesda, MD
- Gerald D. Faerman**
Brandeis University
Waltham, MA
- Ten Felzi**
Glycosciences Laboratory
Middlesex, England
- Carl M. Feldherr**
University of Florida
College of Medicine
Gainesville, FL
- John H. Fessler**
University of California
Los Angeles, CA
- Richard Firtal**
Center for Molecular Genetics
University of California-San Diego
La Jolla, CA
- Donald A. Fischman**
Cornell University Medical College
New York, NY
- Benjamin Geiger**
Weizmann Institute of Science
Rehovot, Israel
- Ian Gibbons**
Kewalo Laboratory
Honolulu, HI
- Antonio Giordano**
Jefferson Cancer Institute
Philadelphia, PA
- David W. Golde**
Memorial Sloan-Kettering Cancer Center
New York, NY
- Ira D. Goldfine**
Mt. Zion Hospital and Medical Center
San Francisco, CA
- Eugene Goldwasser**
University of Chicago
Chicago, IL
- Curtis C. Harris**
National Cancer Institute
National Institutes of Health
Bethesda, MD
- Mary E. Hatten**
Rockefeller University
New York, NY
- Mark R. Haussler**
University of Arizona College of Medicine
Tucson, AZ
- Norman B. Hecht**
Tufts University
Medford, MA
- Brian Herman**
University of North Carolina
Chapel Hill, NC
- Harvey Herschman**
University of California
Los Angeles, CA
- Richard A. Houghton**
Torrey Pines Institute for Molecular Studies
San Diego, CA
- Tony Hunter**
Salk Institute
San Diego, CA
- Maria Imshenetsky**
Universidad de Concepcion
Concepcion, Chile
- Gary R. Jacobson**
Boston University
Boston, MA
- Gary L. Johnson**
National Jewish Medical Center
Denver, CO
- Michael Klagsbrun**
The Children's Hospital
Harvard Medical School
Boston, MA
- Jeanne Lawrence**
University of Massachusetts Medical Center
Worcester, MA
- Yvonne Lefebvre**
Ottawa Civic Hospital
Ottawa, Ontario, Canada
- Jane B. Lian**
University of Massachusetts Medical Center
Worcester, MA
- Marc E. Lippman**
Lombardi Cancer Center
Georgetown University
Washington, DC
- Elizabeth J. Luna**
Worcester Foundation for Experimental Biology
Shrewsbury, MA
- Bruce E. Magun**
School of Medicine
Oregon Health Science University
Portland, OR
- Denis Mondard**
Friedrich Miescher-Institut
Basel, Switzerland
- Harold L. Moses**
Vanderbilt University School of Medicine
Nashville, TN
- Marit Nilsen-Hamilton**
Iowa State University
Ames, IA
- Masaki Noda**
Tokyo Medical and Dental University
Tokyo, Japan
- Anthony W. Norman**
University of California
Riverside, CA
- Dale L. Oxender**
Warner-Lambert Company
Ann Arbor, MI
- Richard G. Painter**
University of Texas Health Center
Tyler, TX
- Sheidon Penman**
Massachusetts Institute of Technology
Cambridge, MA
- Paul F. Pilch**
Boston University School of Medicine
Boston, MA
- Archib W. Prestayko**
Liphomed
Rosemont, IL
- Peter Quesenberry**
University of Massachusetts Medical Center
Worcester, MA
- E. Premkumar Reddy**
The Fels Institute for Cancer Research
Temple University
Philadelphia, PA
- Phillips W. Robbins**
Massachusetts Institute of Technology
Cambridge, MA
- Gideon A. Rodan**
Merck Sharp & Dohme Research Labs
West Point, PA
- Alonso H. Ross**
Worcester Foundation for Experimental Biology
Shrewsbury, MA
- Russell Ross**
University of Washington, Seattle, WA
- Giovanni Rovera**
Wistar Institute
University of Pennsylvania
Philadelphia, PA
- E. Helene Sage**
University of Washington
Seattle, WA
- Milton H. Saier**
University of California-San Diego
La Jolla, CA
- Alan R. Sattell**
Parke-Davis
Ann Arbor, MI
- Marlin E. Schwab**
Institut für Hirnforschung
Universität Zürich
Zürich, Switzerland
- Eric M. Shooter**
Stanford University School of Medicine
Stanford, CA
- Justin Silver**
Hadassan Medical Organization
Kiryat Hadassah
Jerusalem, Israel
- Robert H. Singer**
University of Massachusetts Medical School
Worcester, MA
- Gail E. Sonenshein**
Boston University Medical School
Boston, MA
- Kenneth Soprano**
Temple University
Philadelphia, PA
- Thomas C. Spelberg**
Mayo Clinic and Graduate School of Medicine
Rochester, MN
- Eric J. Stanbridge**
University of California-Irvine College of Medicine
Irvine, CA
- E. Richard Stanley**
Albert Einstein College of Medicine
Bronx, NY
- Janet L. Stein**
University of Massachusetts Medical Center
Worcester, MA
- Donald F. Steiner**
University of Chicago
Chicago, IL
- F. Marc Stewart**
University of Massachusetts Medical Center
Worcester, MA
- Charles D. Stiles**
Harvard Medical School
Boston, MA
- Tatsuo Suda**
Showa University
Tokyo, Japan
- Marvin L. Tanzer**
University of Connecticut Health Center
Farmington, CT
- Steven L. Tettelbaum**
Jewish Hospital at Washington University Medical Center
St. Louis, MO
- Jean Paul Thiery**
Laboratoire de Physiopathologie du Développement
CNRS - ENS
Paris, France
- George Todaro**
Fred Hutchinson Cancer Research Center
Seattle, WA
- Milan R. Uskokovic**
Hoffman-La Roche Inc.
Nutley, NJ
- R. Van Driel**
University of Amsterdam
Amsterdam, The Netherlands
- Klaus von der Mark**
MPG Gruppe Rheumatologie/Bindegewebsforschung
Erlangen, Germany
- D. Martin Watters**
Vanderbilt University
Nashville, TN
- Noel Weidner**
University of California
School of Medicine
San Francisco, CA
- Sherman Weisaman**
Yale University School of Medicine
New Haven, CT
- Karel W. A. Wirtz**
State University of Utrecht
Utrecht, Netherlands

© 1996 Wiley-Liss, Inc. All rights reserved. No part of this publication may be reproduced in any form or by any means, except as permitted under section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (508) 750-8400, fax (508) 750-4470. Requests to the publisher for permission should be addressed to the Permissions Department, John Wiley & Sons, Inc.

Journal of Cellular Biochemistry (ISSN 0730-2312) is published monthly by Wiley-Liss, Inc., a division of John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158-0012. **Send subscription inquiries to:** John Wiley & Sons, Inc., Subscription Department, 9th Floor, 605 Third Avenue, New York, NY 10158 (212) 850-8543. **Advertising inquiries** should be addressed to Roberta Frederick, Advertising Sales Manager, Wiley-Liss, Inc., 605 Third Avenue, New York, NY 10158-0012, (212) 850-8832. **Offprint Sales and Inquiries** should be directed to the Customer Service Department, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158-0012, (212) 850-8776. **Subscription Price:** Volumes 60, 61, 62, and 63 (16 issues) plus Supplements 24, 25, and 26, 1996: \$2,185 in U.S.; \$2,375 in Canada and Mexico; \$2,479 outside North America. **Special Personal Subscription Rate:** 1996: \$195 within North America; \$241 outside North America. (Individual price does not include Supplements.) All subscriptions outside the U.S. will be sent by air. Payment must be made in US dollars drawn on a US bank. **Change of Address:** Please forward to the subscriptions address listed above six weeks prior to move; enclose present mailing label with change of address. **Claims for Missing Issues:** Claims for undelivered copies will be accepted only after the following issue has been received. Please enclose a copy of the mailing label or cite your subscriber reference number in order to expedite handling. Missing copies will be supplied when losses have been sustained in transit and where reserve stock permits. Send claims to John Wiley & Sons, Inc., Customer Service, 605 Third Avenue, New York, NY 10158. If claims are not resolved satisfactorily, please write to Susan Malawski, Director, Subscriptions Fulfillment and Sales, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158. **Cancellations:** Subscription cancellations will not be accepted after the first issue has been mailed. **Postmaster:** Send address changes to **Journal of Cellular Biochemistry**, Susan Heaney, Subscription Systems and Distribution, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158. **Indexed by:** Current Contents/Life Sciences • Science Citation Index • Scisearch • Chemical Abstracts • Index Medicus • BIOSIS Data Base • Excerpta Medica • Information Retrieval, Ltd. • Cambridge Scientific Abstracts • Institute for Scientific Information-Soviet Union • Current Opinion in Orthopedics • Current Opinion in Pediatrics • Current Opinion in Cell Biology • Current Opinion in Rheumatology • Reference Update. Printed in the United States of America. Copyright © 1996 Wiley-Liss, Inc.

This journal is printed on acid-free paper.