MOLECULAR AND CELLULAR BIOLOGY

VOLUME 11 • MARCH 1991 • NUMBER 3

Yale University
New Haven, Conn.

Don W. Cleveland, Editor (1994)
The Johns Hopkins University
Baltimore, Md.

Charles J. Sherr, Editor (1995)
Howard Hughes Medical Institute
St. Jude Children's Research Hospital
Memphis, Tenn.

James R. Broach, Editor (1995)
Princeton University
Princeton, N.J.

Anita K. Hopper, Editor (1994)
The Milton S. Hershey Medical Center
Pennsylvania State University
Hershey, Pa.

Barbara Sollner-Webb, Editor (1995)
The Johns Hopkins University
School of Medicine
Baltimore, Md.

Lawrence A. Chasin, Editor (1995)
Columbia University
New York, N.Y.

Tony Hunter, Editor (1993)
The Salk Institute
San Diego, Calif.

Shirley M. Tilghman, Editor (1993)
Princeton University
Princeton, N.J.

David A. Clayton, Editor (1995)
Stanford University School of Medicine
Stanford, Calif.

Steven L. McKnight, Editor (1992)
Carnegie Institution of Washington
Baltimore, Md.

Owen N. Witte, Editor (1993)
Molecular Biology Institute
University of California
Los Angeles, Calif.

EDITORIAL BOARD

Frederick W. Alt (1993)
Susan Berget (1993)
Arnold J. Berk (1991)
Alan Bernstein (1993)
J. Michael Bishop (1993)
Elizabeth H. Blackburn (1991)
Jef D. Boeke (1991)
Marjorie C. Brandriss (1991)
Rodrigo Bravo (1992)
Kathryn Calame (1991)
Judith Campbell (1992)
Mario R. Capicelli (1993)
John A. Carbon (1993)
Marian Carlson (1992)
Nam-Hui Chua (1991)
Jonathan A. Cooper (1992)
Gerald R. Crabtree (1993)
Elizabeth A. Craig (1991)
Thomas Curran (1991)
Thomas Donahue (1992)
Robert N. Eisenman (1991)
Sarah C. R. Elgin (1991)
Scott Emr (1991)
Walton L. Fangman (1991)
Thomas D. Fox (1993)
Stephen F. Goff (1992)
Jack F. Greenblatt (1991)
Rudolf Grosschedl (1992)
Mark Groudine (1993)
Christine Guthrie (1992)
James E. Haber (1993)
Hidesaburo Hanafusa (1992)
Nathan Heintz (1991)
Ari Helenius (1993)
Steven Henikoff (1991)
Ira Herskovitz (1993)
Alan Himmelbusch (1991)
Peter M. Howley (1991)
Stephen H. Hughes (1992)
Mark Johnston (1991)
Katherine A. Jones (1992)
Jack D. Keene (1993)
Daniel Klessig (1992)
Marilyn Kozak (1991)
Monty Krieger (1992)
Elizabeth Lacy (1993)
Alan Lambowitz (1993)
Lester F. Lau (1992)
Michael Lenardo (1991)
Arthur D. Levinson (1991)
Susan Lindquist (1993)
Douglas Lowy (1993)
Paul T. Magee (1991)
James Manley (1992)
Kunihiro Matsumoto (1991)
Frank McCormick (1992)
N. Ronald Morris (1992)
Bernardo Nadal-Ginard (1993)
Paul Neiman (1992)
Joseph R. Nevins (1993)
Carol Newlon (1991)
Harvey L. Ozer (1991)
Mary Lou Pardue (1991)
David Patterson (1991)
Marvin R. Paule (1993)
Gianni Piperno (1991)
John R. Pringle (1991)
Randall R. Reed (1992)
Robin Reed (1993)
Steven I. Reed (1991)
Jean-Paul Revel (1991)
Jasper R. Rine (1991)
Naomi E. Rosenberg (1991)
Rodney Rohlstein (1993)
Norman P. Salzman (1991)
Milton J. Schlesinger (1992)
Matthew P. Scott (1992)
Arthur Skoultchi (1991)
Frank Solomon (1991)
Michael B. Sporn (1991)
Allan C. Spradling (1991)
Karen U. Sprague (1992)
Pamela Stanley (1991)
Nat L. Sternberg (1992)
Bruce Stillman (1991)
Kevin Struhl (1992)
Kenneth D. Stuart (1991)
Bill Sugden (1991)
Lawrence H. Thompson (1991)
Geoffrey Wahl (1992)
Randolph Wall (1992)
Peter Walter (1993)
Jean Y. J. Wang (1993)
Jonathan R. Warner (1993)
Reed B. Wickner (1991)
Lewis T. Williams (1991)
Fred Winston (1991)
Elton T. Young (1993)
Michael Young (1993)
Kenneth Zaret (1993)

Barbara H. Iglewski, Chairman, Publications Board
Linda M. Illig, Director, Journals
Patrick N. Lacey, Production Editor

Molecular and Cellular Biology (ISSN 0270-7306), a publication of the American Society for Microbiology, 1325 Massachusetts Ave., N.W., Washington, DC 20005-4171, is devoted to the advancement and dissemination of fundamental knowledge concerning the molecular biology of eucaryotic cells, of both microbial and higher organisms. Instructions to authors are published in the January issue each year; reprints are available from the editors and the Journals Division. The journal is published monthly, one volume per year. The nonmember subscription prices are $360 (U.S. and Canada) and $440 (foreign; air drop shipping) per year; single copies are $40. The member subscription prices are $49 (U.S. and Canada) and $99 (foreign; air drop shipping) per year; single copies are $10. Correspondence relating to subscriptions, reprints, defective copies, availability of back issues, lost or late proofs, disposition of submitted manuscripts, and general editorial matters should be directed to the ASM Journals Division, 1325 Massachusetts Ave., N.W., Washington, DC 20005-4171 (area 202 737-3600).

Claims for missing issues from residents of the United States, Canada, and Mexico must be submitted within 3 months after publication of the issues; residents of all other countries must submit claims within 6 months of publication of the issues. Claims for issues missing because of failure to report an address change or for issues “missing from files” will not be allowed.

Second-class postage paid at Washington, DC 20005, and at additional mailing offices.


Copyright © 1991, American Society for Microbiology.

All Rights Reserved.

The code at the top of the first page of an article in this journal indicates the copyright owner’s consent that copies of the article may be made for personal use or for personal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per-copy fee through the Copyright Clearance Center Inc., 21 Congress St., Salem, MA 01970, for copying beyond that permitted by Sections 107 and 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale.
EDITORIAL POLICY STATEMENT

The number and quality of manuscripts submitted to Molecular and Cellular Biology have increased substantially over the past several years, and the journal can no longer publish every manuscript of high technical quality. The editors have therefore decided that all manuscripts must now satisfy a high standard of biological novelty or significance and must be of general interest to the community of molecular and cellular biologists. Manuscripts that fail to meet these criteria are more appropriate for one of the many specialty journals. In particular, manuscripts that are preliminary, confirmatory, phenomenological, or lacking in biological significance will be rejected.

Other changes will affect the readability of the journal. Subdivision of the table of contents will be slightly different beginning with the April 1991 issue. A separate section entitled Transcriptional Regulation will be added, and the section entitled Chromosome Structure and Dynamics will be renamed DNA Dynamics and Chromosome Structure to provide a more natural home for work on replication and recombination. Authors are requested to specify the most appropriate section of the table of contents when submitting a manuscript, but the ultimate decision will rest with the editors. Effective with the March issue, the quality of figures will be improved by costly “double shooting” to eliminate gray background beneath the lettering in reproductions of continuous-tone photographs. Lastly, the editors have decided to abolish the Note format beginning in March 1991. Manuscripts submitted in the Note format after 1 March will be returned by ASM to the authors for reformatting or submission elsewhere.

The Editors