

# Molecular Cancer Therapeutics

*The Journal of Cancer Drug Discovery & Preclinical Development*

**AACR**

American Association  
for Cancer Research

AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH

## Editor-in-Chief

**Napoleone Ferrara**

## Deputy Editors

Stephen W. Fesik  
Paul Workman

## Senior Editors

Ian Collins  
Tejal Desai  
Giulio F. Draetta  
Peter J. Houghton  
Candace S. Johnson  
Ricky W. Johnstone  
Razelle Kurzrock  
John S. Lazo  
Guillermina Lozano  
Brion W. Murray  
Dario Neri  
Martine F. Roussel  
Peter Senter  
Beverly A. Teicher  
Giorgio Trinchieri

## Editorial Staff

### Managing Editor

Gregory Pavlovcak

### Associate Editor

Jiping Zhang

### Associate Journal Manager

Crystal Cheepudom

### Editorial Staff

Ashley Pfeiffer  
Meredith A. Kahn

### Senior Production Editor

Jennifer L. Harper

## Editorial Board

Robert T. Abraham	Sayed S. Daoud	I. David Goldman	Robert A. Newman
Rajesh Agarwal	Marcia I. Dawson	Michael M. Gottesman	Barry R. O'Keefe
Adriana Albini	William A. Denny	Lorraine J. Gudas	Pier Paolo Pandolfi
Kari Alitalo	Paul Dent	Stephen B. Howell	Ira Pastan
Suresh V. Ambudkar	Channing J. Der	Rakesh K. Jain	Maurizio Pellecchia
Paul A. Andrews	Vishva M. Dixit	Peter A. Jones	Yves Pommier
Avi Ashkenazi	Ethan Dmitrovsky	Craig T. Jordan	C. Patrick Reynolds
André S. Bachmann	Suzanne A. Eccles	Juliane M. Jürgensmeier	Edward A. Sausville
Raffaele Baffa	Heinz-Herbert Fiebig	Robert S. Kerbel	Jeffrey Settleman
Rebecca G. Bagley	William D. Figg, Sr.	Donald W. Kufe	Shivendra V. Singh
Albert S. Baldwin, Jr.	Paul B. Fisher	Michihiko Kuwano	David B. Solit
Laura E. Benjamin	Antonio Fojo	Daruka Mahadevan	Michael B. Sporn
Darell D. Bigner	Arthur E. Frankel	Sridhar Mani	Bin Tean Teh
Michael L. Bittner	Stephen V. Frye	Lawrence D. Mayer	Beverly A. Teicher
Thomas F. Bumol	Simone Fulda	David J. McConkey	Carter Van Waes
Robert M. Campbell	Susan M. Galbraith	Frank McCormick	Kristiina Vuori
David A. Cheresh	Ram N. Ganapathi	Giovanni Melillo	Shaomeng Wang
James G. Christensen	Michelle D. Garrett	Ira Mellman	David J. Waxman
Steve R. Coats	Andreas J. Gescher	Paul S. Mischel	Tai Wai Wong
Barbara A. Conley	David A. Gewirtz	Brett P. Monia	Amy E. Wright
Robert A. Copeland	Amato J. Giaccia		Leigh S. Zawal
			Yuesheng Zhang

## AACR Officers

Michael A. Caligiuri, President  
Elizabeth M. Jaffee, President-Elect  
Nancy E. Davidson, Past President  
William N. Hait, Treasurer  
Margaret Foti, Chief Executive Officer

## Publications Committee

Mary Helen Barcellos-Hoff  
Alberto Bardelli  
Dafna Bar-Sagi  
Michael E. Berens  
René Bernards  
John D. Carpten  
Frederic J. de Sauvage  
Sanjiv Sam Gambhir  
Maura L. Gillison  
Rakesh K. Jain  
Pasi A. Jänne  
Gerrit A. Meijer  
Gordon B. Mills  
Steffi Oesterreich  
William Pao  
Gloria M. Peterson  
Helen M. Piwnica-Worms  
Charles W.M. Roberts  
Alice T. Shaw  
Lillian L. Siu  
David B. Solit  
Saraswati V. Sukumar  
Toshikazu Ushijima  
Victor E. Velculescu,  
Chairperson

## Publishing Staff

### Publisher

Christine B. Rullo

### Director, Journal Operations and Systems

Daniel S. Evanko

### Director, Journal Sales and Marketing

Nicola L. Hill

### Director, Electronic Publishing

Robert Spanier

### Associate Director, Production

Charlene Squibb

### Assistant Director, Institutional Sales & Outreach

Karola Rac

### Marketing and Creative Services

#### Senior Director

Paul Driscoll

#### Design Staff

Susan Moore

## Scope

*Molecular Cancer Therapeutics* strives to be the top choice for publishing the best science in the discovery and preclinical development of novel therapeutic agents for oncology, preclinical studies of approved therapeutics, mechanisms of drug action, mechanisms of drug resistance, biomarkers of drug response, novel models and technologies, and occasional drug toxicity mechanisms. While the Journal's main focus is on small molecule and protein drugs, other molecular entities may be considered.

*Molecular Cancer Therapeutics* is abstracted and/or indexed in Current Contents/Clinical Medicine, MEDLINE, Science Citation Index, Scopus, and Web of Science.

## Submission of Manuscripts

Online manuscript submission is welcomed at <http://mct.msubmit.net>. Before submitting a manuscript, please read the Instructions for Authors, which is available from the Journal's home page at <http://mct.aacrjournals.org>.

## Publication Charges

Beginning with manuscripts submitted January 1, 2016 or after, articles will be published with the understanding that the author(s) will pay both a publication fee plus a color figure handling fee. Please see the Instructions for Authors, which are available from the Journal's home page at <http://mct.aacrjournals.org>.

## Subscription Information

### Nonmember Individuals

Subscriptions include print version with online access. Contacts listed below are for nonmember individual subscriptions.

*USA and Rest of World (excluding Japan)*  
American Association for Cancer Research, 615 Chestnut Street, Philadelphia, PA 19106;  
1-855-744-4667; [pubsales@aacr.org](mailto:pubsales@aacr.org)

### Japan

[e-support@maruzen.co.jp](mailto:e-support@maruzen.co.jp);  
[journal@kinokuniya.co.jp](mailto:journal@kinokuniya.co.jp); [usaco@usaco.co.jp](mailto:usaco@usaco.co.jp)

International print subscriptions include cost of surface mail. Expedited mailing is available. Contact the American Association for Cancer Research for rates.

## Site Licenses

For information about institutional site licenses, contact [pubsales@aacr.org](mailto:pubsales@aacr.org).

## AACR Members

AACR members may opt to receive either a print subscription with online access to content or an online-only subscription. Contact [membership@aacr.org](mailto:membership@aacr.org) or visit the membership page at [www.aacr.org](http://www.aacr.org) for more information.

## Single Issue Sales

Subject to their availability, single or back issues may be purchased for \$60 (U.S.) or \$65 (outside the U.S.) each. The cost must be prepaid. Contact [pubsales@aacr.org](mailto:pubsales@aacr.org).

## Claims

One-time claims for missing issues made within 120 days of the issue's publication will be honored, subject to availability. No credit or refund will be given if an issue is out of print at the time of claim.

## AACR Members

[membership@aacr.org](mailto:membership@aacr.org)

## Nonmembers and Institutions

[pubsales@aacr.org](mailto:pubsales@aacr.org)

## Advertising Information

For information about advertising in AACR journals, contact Pharmaceutical Media Inc., 30 East 33rd St., 4th Floor, New York, NY 10016; 212-904-0360; [Dsimone@pminy.com](mailto:Dsimone@pminy.com)

## Copyright and Permissions

Content printed in or disseminated by *Molecular Cancer Therapeutics* is protected by copyright. Authors who wish to publish material in *Molecular Cancer Therapeutics* must formally transfer copyright to the AACR. All authors must sign copyright transfer forms before the AACR can proceed with publication.

To read the complete AACR Copyright and Permissions Policy, visit <http://aacrjournals.org/content/authors/copyright-permissions-and-access>.