

Executive Editor Hillary E. Sussman **Reviews Editor** Chris Gunter **Assistant Editor** Laura E. DeMare

Editors

Aravinda Chakravarti

Evan E. Eichler

Richard A. Gibbs

Eric Green

Richard M. Myers

William J. Pavan

Administrative Assistant
Peggy Calicchia

Production Manager
Linda Sussman

Production Editor
Marie Cotter

Production Assistant
Tara Kulesa

Editorial Board

J. Akey (Univ. of Washington)
B. Andersson (Karolinska Institute)
S.E. Antonarakis (Univ. of Geneva Medical School)
B.E. Bernstein (Broad Institute)
W. Bickmore (Medical Research Council)
M. Boehnke (Univ. of Michigan)
M. Brudno (Univ. of Toronto)
M. Bulyk (Brigham & Women's Hospital and Harvard Medical School)
L. Carrel (Penn State College of Medicine)
N.P. Carter (Wellcome Trust Sanger Institute)
G.A. Churchill (The Jackson Laboratory)
B. Cohen (Washington Univ. in St. Louis School of Medicine)
G.M. Cooper (HudsonAlpha Institute for Biotechnology)
G.E. Crawford (Duke Univ.)
A. Di Rienzo (Univ. of Chicago)
M. Dunham (Univ. of Washington)
P.J. Farnham (Univ. of California, Davis)
S. Gabriel (Broad Institute)
M.B. Gerstein (Yale Univ.)
M. Hahn (Indiana Univ.)
I.M. Hall (Univ. of Virginia)
D.B. Jaffe (Broad Institute)
L. Jin (Fudan University)
S. Jones (BC Cancer Agency)
J. Korbel (European Molecular Biology Laboratory)
J.D. Lieb (Univ. of North Carolina in Chapel Hill)
E. Liu (Genome Institute of Singapore)
J.R. Lupski (Baylor College of Medicine)
T.F.C. Mackay (North Carolina State Univ.)
P. Majumder (Indian Statistical Institute)

K. Makova (Pennsylvania State Univ.)
E. Mardis (Washington Univ. in St. Louis School of Medicine)
E.H. Margulies (National Human Genome Research Institute)
G.T. Marth (Boston College)
A.S. McCallion (Johns Hopkins Univ. School of Medicine)
M.L. Meyerson (Dana-Farber Cancer Institute and Harvard Medical School)
A. Milosavljevic (Baylor College of Medicine)
R. Mitra (Washington Univ. in St. Louis School of Medicine)
J.V. Moran (Univ. of Michigan Medical School)
M.A. Nobrega (Univ. of Chicago)
J.P. Noonan (Yale Univ. School of Medicine)
J. Parkhill (The Wellcome Trust Sanger Institute)
W.R. Pearson (Univ. of Virginia)
J.H. Postlethwait (Univ. of Oregon)
O. Rando (Univ. of Massachusetts Medical School)
A. Regev (Broad Institute)
D.A. Relman (Stanford Univ.)
J. Rogers (Baylor College of Medicine)
S.L. Salzberg (Johns Hopkins Univ. School of Medicine)
P.C. Scacheri (Case Western Reserve Univ.)
E. Segal (Weizmann Institute)
J. Shendure (Univ. of Washington)
J.A. Stamatoyannopoulos (Univ. of Washington)
M.R. Stratton (Wellcome Trust Sanger Institute)
S. Tishkoff (Univ. of Pennsylvania)
A.J.M. Walhout (Univ. of Massachusetts Medical School)
S.T. Warren (Emory Univ. School of Medicine)
D.A. Wheeler (Baylor College of Medicine)
K. Wolfe (University College, Dublin)
K. Zhao (National Heart, Lung, and Blood Institute)

Genome Research (ISSN 1088-9051) is published monthly by Cold Spring Harbor Laboratory Press, 500 Sunnyside Blvd., Woodbury, NY 11797-2924. Periodicals paid at Woodbury, NY and additional mailing offices. Canada Post International Publications Mail Product (Canadian distribution) Sales Agreement No. 1321846. POSTMASTER: Send address changes to Cold Spring Harbor Laboratory Press, 500 Sunnyside Boulevard, Woodbury, NY 11797-2924.

Subscriptions: Kathleen Cirone, Subscription Manager. Individual subscribers have a choice of "online only" or "print + online" subscriptions for this journal. Online only: \$85; Print + Online: U.S., \$135; Canada and Mexico, \$220; R.O.W., \$250 (includes airlift). For 2014 institutional pricing, visit <http://genome.org/site/subscriptions/cost.dtl>. Orders may be sent to Cold Spring Harbor Laboratory Press, Fulfillment Department, 500 Sunnyside Boulevard, Woodbury, New York 11797-2924. Telephone: Continental U.S. and Canada 1-800-843-4388; all other locations 516-422-4100. Fax 516-422-4097. Personal subscriptions must be prepaid by personal check, credit card, or money order. Claims for missing issues must be received within four months of issue date.

Advertising: Marcie Siconolfi, Advertising Manager, Cold Spring Harbor Laboratory Press, 1 Bungtown Rd., Cold Spring Harbor, New York 11724-2203. Phone: 516-422-4010; fax: 516-422-4092.

Information for Contributors: Author instructions are available at our website, <http://www.genome.org>.

Online Manuscript Submission: <http://submit.genome.org>.

Copyright Information: Authors of articles published in *Genome Research* retain copyright of the articles (except US Government employees) but grant Cold Spring Harbor Laboratory Press exclusive right to publish the articles for a period of six months following full-issue publication. This includes the rights to publish, reproduce, distribute, display, and store the article in all formats; to translate the article into other languages; to create adaptations, summaries, extracts, or derivations of the article; and to license others to do any or all of the above. Authors can reuse their articles in their work as long as *Genome Research* is credited as the place of original publication. Six months following publication, these articles are made available under a CC-BY-NC 3.0 Creative Commons license. Articles that carry the Open Access designation are available immediately under a CC-BY 3.0 or CC-BY-NC 3.0 Creative Commons license. Detailed copyright terms are online at <http://genome.cshlp.org/site/misc/terms.xhtml>. Permission information is online at http://genome.cshlp.org/site/misc/permissions_landing.xhtml.