

Executive Editor Hillary E. Sussman

Aravinda Chakravarti

Eric Green

**Administrative
Assistant**
Peggy Calicchia

**Director of
Publication Services**
Linda Sussman

Editors

Evan E. Eichler

Richard M. Myers

**Production
Manager**
Denise Weiss

Assistant Editor Laura E. DeMare

Richard A. Gibbs

William J. Pavan

**Production
Editor**
Marie Cotter

**Production
Assistant**
Tara Kulesa

Editorial Board

J. Akey (Univ. of Washington)
B. Andersson (Karolinska Institute)
D. Bachtrög (Univ. of California, Berkeley)
M.A. Beer (Johns Hopkins Univ.)
W. Bickmore (Medical Research Council)
R. Bonneau (New York Univ.)
M. Brudno (Univ. of Toronto)
M. Bulyk (Brigham & Women's Hospital and Harvard Medical School)
P. Carninci (RIKEN Yokohama Institute)
L. Carrel (Penn State College of Medicine)
G.A. Churchill (The Jackson Laboratory)
B. Cohen (Washington Univ. in St. Louis School of Medicine)
D. Conrad (Washington Univ. School of Medicine)
G.M. Cooper (HudsonAlpha Institute for Biotechnology)
V.G. Corces (Emory Univ.)
J. Dekker (Univ. of Massachusetts Medical School)
A. Di Renzo (Univ. of Chicago)
M. Dunham (Univ. of Washington)
J. Ernst (Univ. of California, Los Angeles)
M. Esteller (Bellvitge Biomedical Research Institute)
C. Gersbach (Duke Univ.)
J. Gertz (Univ. of Utah)
R.C. Hardison (The Pennsylvania State Univ.)
J. Harrow (The Wellcome Trust Sanger Institute)
S. Henikoff (Fred Hutchinson Cancer Research Center)
N. Ingolia (Univ. of California, Berkeley)
S. Jones (BC Cancer Agency)
R. Knight (Univ. of Colorado, Boulder)
J. Korbel (European Molecular Biology Laboratory)
R. Lister (Univ. of Western Australia)

X.S. Liu (Harvard School of Public Health and Dana-Farber Cancer Institute)
D. MacAlpine (Duke Univ. Medical Center)
T.F.C. Mackay (North Carolina State Univ.)
K. Makova (Pennsylvania State Univ.)
E.H. Margulies (Illumina Cambridge Ltd.)
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)
J.V. Moran (Univ. of Michigan Medical School)
M.A. Nobrega (Univ. of Chicago)
B. Oliver (NIH/NIDDK)
R.J. O'Neill (Univ. of Connecticut)
J. Parkhill (The Wellcome Trust Sanger Institute)
S.E. Plon (Baylor College of Medicine)
J.H. Postlethwait (Univ. of Oregon)
O. Rando (Univ. of Massachusetts Medical School)
T.E. Reddy (Duke Univ. School of Medicine)
J. Rogers (Baylor College of Medicine)
P.C. Scacheri (Case Western Reserve Univ.)
J.S. Schmutz (HudsonAlpha Institute for Biotechnology)
D.J. Segal (Univ. of California, Davis)
E. Segal (Weizmann Institute)
J.A. Segre (National Human Genome Research Institute)
J. Shendure (Univ. of Washington)
J. Stuart (Univ. of California, Santa Cruz)
S. Tishkoff (Univ. of Pennsylvania)
A. Visel (Lawrence Berkeley National Laboratory)
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, \$225; R.O.W., \$255 (includes airmail). For 2015 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 4.0 Creative Commons license.

Articles that carry the Open Access designation are available immediately under a CC-BY 4.0 or CC-BY-NC 4.0 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.

Copyright © 2015 by Cold Spring Harbor Laboratory Press