

The Journal of Neuroscience

EDITOR-IN-CHIEF

John H.R. Maunsell
Aparna Paul, Assistant

SENIOR EDITORS

Mark Bothwell
Valina Dawson
Nancy Ip
Sabine Kastner
Chris McBain
Earl K. Miller
Marina Picciotto
Serge Przedborski
Matthew Rushworth
Yavin Shaham

REVIEWING EDITORS

Dora Angelaki
Tracy L. Bale
Deanna Benson
Christophe Bernard
Jeffrey Diamond
Ray Dolan
Timothy Ebner
Mark Farrant
Alyson Fournier
Vittorio Gallo
Michael Gold
Takao Hensch
Constantino Iadecola
Paul J. Kenny
Eric Klann
James Knierim
Gary E. Landreth
Daeyeol Lee
Diane Merry
Farzan Nadim
Jeanne Nerbonne
David Perkel
Sam Pleasure
Charan Ranganath
Rajiv Ratan
Dan H. Sanes
Charles Schroeder
Felix Schweizer
Jane Taylor
W. Martin Usrey

ASSOCIATE EDITORS

Behavioral/Systems/Cognitive

Michele A. Basso
Mark Baxter
Kent Berridge
James Bisley
Ed Callaway
Matteo Carandini
Leonardo Cohen
Laura Colgin
J. Douglas Crawford
Bruce Cumming
Jonathan Domb
Ralph Dileone
Vincent Ferrera
Stan Floresco
Karl Friston
Patricia Gaspar
Asif Ghazanfar
Geoffrey Ghose
Jacqueline Gottlieb
Patrice Guyenet
Michael Hasselmo
David Heeger
Bruce Hope
Dieter Jaeger
J. David Jentsch
Christoph Kayser
Andrew King
George Koob
Richard Krauzlis
Roger Lemon
Anita Lüthi
Julio Martinez-Trujillo

Margaret McCarthy
Tirin Moore
Micah Murray
Uta Noppeney
Guy Orban
Adrian Owen
Richard Palmiter
Anitha Pasupathy
Paul Phillips
Greg Quirk
Gregg Recanzone
Dorit Ron
Glenn E. Schafe
Geoffrey Schoenbaum
Tracey Shors
Gordon Shulman
Hans Straka
Alessandro Treves
Doris Tsao
Leslie Vosshall
Rachel I. Wilson
Marina Wolf
Catherine Woolley
Steven Yantis

Cellular/Molecular

Laszlo ACSADY
Heinz Beck
Larry I. Benowitz
Antonello Bonci
Paul Buckmaster
Patrizia Casaccia-Bonneli
Pablo Castillo
Michael Caterina
Lu Chen
Anis Contractor
Cindy Czajkowski
Liset M. de la Prida
Sulayman Dib-Hajj
Cheryl Dreyfus
Michael Friedlander
Lisa Goodrich
Robert Greene
Helmut Haas
Yasunori Hayashi
Dax Hoffman
John Isaac
Ege T. Kavalali
Kamran Khodakhah
Carl Lupica
Olivier Manzoni
BethAnn McLaughlin
Lin Mei
Bernd Nilius
Linda Overstreet-Wadiche
Jelena Radulovic
William Ross
Bernardo Sabatini
Pankaj Sah
Steven Scherer
Laura Schrader
Mark Shapiro
Joshua Singer
Ivan Soltesz
Ben Strowbridge
Ling-Gang Wu
Gerald Zamponi

Development/Plasticity/Repair

Stewart A. Anderson
Ottavio Arancio
Heather Cameron
Jonah Chan
Jean-François Cloutier
Donna Fekete
Laura Feltri
Charles French-Constant
Wilma Friedman
Nicolas Gaiano
Roman Giger
Magdalena Götz
Zhiqiang He

Robert Hevner
Kozo Kaibuchi
Katherine Kalil
Matthew Kelley
Dimitri Krainc
Joseph Lo Turco
Wendy Macklin
Kim McAllister
Keith Murai
Michael A. Nitsche
Denis Pare
Serge Rivest
Todd Sacktor
Helen E. Scharfman
Jorg B. Schulz
Michael Sendtner
Deanna Smith
Michael Sofroniew
Hongjun Song
Terrence Town

Neurobiology of Disease

Josef Anrather
Karen Ashe
Douglas Bayliss
Paolo Calabresi
Alain Chedotal
Jun Chen
Mark Cookson
Douglas Coulter
William Dauer
Patrick Dougherty
Karen Duff
David Eidelberg
Frank M. Faraci
Mel Feany
Bonnie Lynne Firestein
Robert Friedlander
Todd Golde
Christian Haass
Giles Hardingham
Markus Heilig
Eric Huang
Frances Jensen
Robert Kalb
Michael K. Lee
David Lynch
Elior Peles
Leonard Petrucelli
David Pleasure
Jochen Prehn
Leonidas Stefanis
Miquel Vila

FEATURES EDITOR

Teresa Esch

EDITORIAL STAFF

Zachary Dourafei
Dante Graves
Jacqueline Perry
Nicole Power
Suzanne Rosenzweig
Christian Vazquez
Sola Yu

The Journal of Neuroscience (ISSN-0270-6474) is the official journal of the Society for Neuroscience, 1121 14th Street, NW, Suite 1010, Washington, DC 20005. It is published weekly by the Society, fifty weeks a year, one volume a year.

Subscriptions are on a volume basis beginning with the January 4 issue. The Volume 32 (2012) Institutional rate information is available on the website: <http://www.jneurosci.org/subscriptions/cost.dtl>. Single copies for the U.S. are \$65, \$85 elsewhere. Institutional subscribers should direct subscription orders, back issue requests, claims, and changes of address to *The Journal of Neuroscience*, Subscription Services, 1121 14th St., NW, Suite 1010, Washington, DC 20005, subs@sfn.org. Claims will be honored if received within three (3) months of the month of issue. A maximum of three (3) single-issue claims will be honored per volume per subscriber. Society for Neuroscience members interested in subscribing to the *Journal* at a reduced rate should contact the Society's Membership Department (phone 202-962-4000, memb@sfn.org). Society members should also direct back issue requests to subs@sfn.org.

Advertising inquiries should be addressed to Marci Leach, The Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, phone 202-962-4000, mleach@sfn.org.

Reprints of a single copy of an individual article are available from Infotrieve at <http://www.infotrieve.com>.

Photocopies: The *Journal* is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. Authorization to photocopy items for the internal or personal use of specific clients is granted by the Society for Neuroscience provided that the copier pay to the Center the \$15.00 copy fee stated in the code on the first page of each article. Special requests, such as for general distribution, resale, advertising, and promotional purposes or for creating new works, should be directed to Journal Permissions, Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, jnpermissions@sfn.org.

Postmaster: Send address changes to *The Journal of Neuroscience*, Society for Neuroscience Membership Department, 1121 14th St., NW, Suite 1010, Washington, DC 20005. Periodicals postage paid at Washington, DC, and additional mailing offices. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 0895369. *The Journal of Neuroscience* is indexed by BIOSIS, Brain Information Service, Chemical Abstracts, Current Contents/EMBASE/Excerpta Medica, FISHLIJ; Index Medicus, Index to Scientific Reviews, Psychological Abstracts, PsycINFO, and PsycLIT. © The *Journal* is printed on acid-free paper that meets the minimum requirements of ANSI Standard Z39.48-1984 (Permanence of Paper). Copyright © 2012 Society for Neuroscience. All rights reserved.

The ideas and opinions expressed in *The Journal of Neuroscience* do not necessarily reflect those of the Society for Neuroscience or the Editors of *The Journal of Neuroscience*. Publication of an advertisement or other product mention in *The Journal of Neuroscience* should not be construed as an endorsement of the manufacturer's claims. The Society for Neuroscience does not assume any responsibility for any injury and/or damage to persons or property arising from or related to any use of any material contained in *The Journal of Neuroscience*.