

The Journal of Neuroscience

EDITOR-IN-CHIEF

John H.R. Maunsell

SENIOR EDITORS

Mark Bothwell
Valina Dawson
Nancy Ip
Sabine Kastner
Jeanne Nerbonne
David Perkel
Matthew Rushworth
Yavin Shaham

REVIEWING EDITORS

Jose Manuel Alonso
Dora Angelaki
Christopher I. Baker
Tracy L. Bale
Christophe Bernard
Jeffrey Diamond
Mark Farrant
Alyson Fournier
Vittorio Gallo
Michael Gold
Jay A. Gottfried
Ege T. Kavalali
Paul J. Kenny
Eric Klann
James Knierim
Gary E. Landreth
Daeyeol Lee
Joseph LoTurco
Diane Merry
Farzan Nadim
Anna Christina Nobre
Sam Pleasure
Charan Ranganath
Dan H. Sanes
Geoffrey Schoenbaum
Charles Schroeder
Ruth S. Slack
Jane M. Sullivan
Ivan Toni
Catherine S. Woolley

ASSOCIATE EDITORS

Behavioral/Cognitive

Mark Baxter
Kent Berridge
Leonardo Cohen
Ralph Dileone
Stan Floresco
Karl Friston
Jacqueline Gottlieb
Bruce Hope
J. David Jentsch
Donald Katz
George Koob
Gavin McNally
Micah Murray
Uta Noppeney
Paul Phillips
Cathy Price
Greg Quirk
Matthew R. Roesch
Glenn E. Schafe
Gordon Shulman
Harwig Siebner
Garret Stuber
Marina Wolf

Cellular/Molecular

Laszlo Acsady
Heinz Beck
Larry I. Benowitz
Paul Buckmaster
Patrizia Casaccia-Bonneli
Pablo Castillo
Lu Chen
Anis Contractor
Liset M. de la Prida
Sulayman Dib-Hajj

Cheryl Dreyfus
Lisa Goodrich
Helmut Haas
Yasunori Hayashi
Dax Hoffman
Kamran Khodakhah
Carl Lupica
Olivier Manzoni
BethAnn McLaughlin
Lin Mei
Suzanne Moenter
Bernd Nilius
Linda Overstreet-Wadiche
Jelena Radulovic
Matthew Rasband
Christian Rosenmund
Bernardo Sabatini
Jürgen Sandkühler
Steven Scherer
Laura Schrader
Mark Shapiro
Joshua Singer
Ben Strowbridge
Bettina Winckler
Danny G. Winder

Development/Plasticity/Repair

Stewart A. Anderson
Ottavio Arancio
Heathery Cameron
Jonah Chan
Jean-François Cloutier
Donna Fekete
Wilma Friedman
Roman Giger
Robert Hevner
Jenny Hsieh
Matthew Kelley
Dimitri Krainc
Wendy Macklin
Keith Murai
Todd Sacktor
Carlo Sala
Helen E. Scharfman
Jorg B. Schulz
Deanna Smith
Michael Sofroniew
Hongjun Song
Terrence Town
Flora Vaccarino
Fengquan Zhou

Neurobiology of Disease

Josef Anrather
Douglas Bayliss
Paolo Calabresi
Monica Carson
Alain Chedotal
Jun Chen
Mark Cookson
William Dauer
Patrick Dougherty
David Eidelberg
Frank M. Faraci
Mel Feany
Bonnie Lynne Firestein
Todd Golde
Christian Haass
Giles Hardingham
Markus Heilig
Uwe Heinemann
Eric Huang
Frances Jensen
Robert Kalb
David Lynch
Leonard Petrucelli
David Pleasure
Krish Sathian
Tara Spires-Jones
Raymond Swanson
Miquel Vila
Dianna Willis

Systems/Circuits

Bruno Averbeck
Michele A. Basso
James Bisley
Matteo Carandini
Laura Colgin
J. Douglas Crawford
Jonathan Demb
Alain Destexhe
Andre Fenton
Vincent Ferrera
Paul Frankland
Patricia Gaspar
Asif Ghazanfar
Geoffrey Ghose
Patrice Guyenet
Michael Hasselmo
Andrew Huberman
Christoph Kayser
Andrew King
Richard Krauzlis
Roger Lemon
Julio Martinez-Trujillo
Lisa Monteggia
Tirin Moore
Guy Orban
Richard Palmiter
Anitha Pasupathy
Gregg Recanzone
Dorit Ron
Hans Straka
Alessandro Treves
Doris Tsao
Rachel I. Wilson
Lori Zeltser

FEATURES EDITOR

Teresa Esch

EDITORIAL STAFF

Zachary Dourafei
Chanelle Grannum
Dante Graves
Justin Martinez
Jacqueline Perry
Suzanne Rosenzweig
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 2 issue. The Volume 33 (2013) Institutional rate information is available on the website: <http://www.jneurosci.org/subscriptions/cost.dtl>. Single copies for the U.S. are \$70, \$90 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 © 2013 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*.