

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
Dan H. Sanes
Geoffrey Schoenbaum
Charles Schroeder
Ruth S. Slack
Jane M. Sullivan
Ivan Toni
Catherine S. Woolley

ASSOCIATE EDITORS

Behavioral/Cognitive

Mark Baxter
Leonardo Cohen
Lila Davachi
Floris de Lange
Ralph Dileone
Stan Floresco
Karl Friston
Jack Gallant
Bruce Hope
J. David Jentsch
Sheena A. Josselyn
Donald Katz
George Koob
Gavin McNally
Micah Murray
Uta Noppeney
Luiz Pessoa
Paul Phillips
Cathy Price
Greg Quirk
Antonio Rangel
Matthew R. Roesch
Gordon Shulman
Harwig Siebner
Garret Stuber
Gregor Thut
Philippe N. Tobler
Marina Wolf

Cellular/Molecular

Laszlo Acsady
Anne Baron-van
Diana Bautista
Heinz Beck
Paul Buckmaster
Pablo Castillo

Anis Contractor
Liset M. de la Prida
Sulayman Dib-Hajj
Cheryl Dreyfus
Lisa Goodrich
Helmut Haas
Dax Hoffman
Kamran Khodakhah
Carl Lupica
Olivier Manzoni
BethAnn McLaughlin
Lin Mei
Suzanne Moenter
Maiken Nedergaard
Bernd Nilius
Linda Overstreet-Wadiche
Jelena Radulovic
Matthew Rasband
Christian Rosenmund
Jürgen Sandkühler
Steven Scherer
Laura Schrader
Mark Shapiro
Joshua Singer
Wayne S. Sossin
Bettina Winckler
Danny G. Winder

Development/Plasticity/Repair

Stewart A. Anderson
Heather Cameron
Jonah Chan
Jean-François Cloutier
Donna Fekete
Roman Giger
Robert Hevner
Jenny Hsieh
Matthew Kelley
Marlies Knipper
Dimitri Krainc
Qiufu Ma
Wendy Macklin
Keith Murai
Lucas Pozzo-Miller
Edward S. Ruthazer
Todd Sacktor
Carlo Sala
Jorg B. Schulz
Deanna Smith
Michael Sofroniew
Terrence Town
Flora Vaccarino
Fengquan Zhou

Neurobiology of Disease

Josef Anrather
Douglas Bayliss
Paolo Calabresi
Monica Carson
Alain Chedotal
Jun Chen
William Dauer
Patrick Dougherty
David Eidelberg
Frank M. Faraci
Mel Feany
Todd Golde
Christian Haass
Giles Hardingham
Markus Heilig
Uwe Heinemann
Eric Huang
Frances Jensen
Robert Kalb
Andrew Lieberman
Timothy H. Murphy
David Pleasure
Erik D. Roberson
Krish Sathian
Tara Spire-Jones
William C. Stacey
Raymond Swanson

Miquel Vila
Donna M. Wilcock
Dianna Willis

Systems/Circuits

Bruno Averbeck
Tallie Z. Baram
Michele A. Basso
James Bisley
Matteo Carandini
Laura Colgin
Bevil Conway
J. Douglas Crawford
Alain Destexhe
Abdeljabbar El Manira
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
Mary Kay Lobo
Julio Martinez-Trujillo
Lisa Monteggia
Tirin Moore
Gabe Murphy
Guy Orban
Richard Palmiter
Anitha Pasupathy
Gina R. Poe
Gregg Recanzone
Dorit Ron
Hans Straka
Alessandro Treves
Doris Tsao
Matthijs van der
Lori Zeltser

FEATURES EDITOR

Teresa Esch

EDITORIAL STAFF

Zachary Dourafei
Michael Eppenberger
Chanelle Grannum
Dante Graves
Justin Martinez
Jacqueline Perry
Suzanne Rosenzweig

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 1 issue. The Volume 34 (2014) Institutional rate information is available on the website: <http://www.jneurosci.org/subscriptions/cost.dtl>. Single copies for the U.S. are \$75, \$95 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, subscriptions@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, membership@sfn.org). Society members should also direct back issue requests to subscriptions@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 © 2014 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*.