

JNeurosci

THE JOURNAL OF NEUROSCIENCE

EDITOR-IN-CHIEF

Marina Picciotto

SENIOR EDITORS

Greg DeAngelis
Jeanne Nerbonne
David Perkel
Dan H. Sanes
Yavin Shaham
Ruth S. Slack
Ivan Toni
Catherine S. Woolley

REVIEWING EDITORS

Jose Manuel Alonso
Christopher I. Baker
Tracy L. Bale
Anne Baron-Van Evercooren
James Bisley
Roshan Cools
Lila Davachi
Jonathan Demb
Ruth Anne Eatock
Fabrizio Gabbiani
Vittorio Gallo
Jay A. Gottfried
Richard Henson
Artur Kania
Ege T. Kavalali
Christoph Kayser
Paul J. Kenny
Eric Klann
Daeyeol Lee
Jon D. Levine
Joseph LoTurco
Mark P. Mattson
BethAnn McLaughlin
Pieter Medendorp
Takeshi Sakurai
Helen E. Scharfman
Geoffrey Schoenbaum
Jane M. Sullivan

ASSOCIATE EDITORS

Bruno Averbeck
Bernard Balleine
Tallie Z. Baram
Diana Bautista
Michael Beauchamp
H. Tad Blair
Paul Buckmaster
Jianhua Cang
Monica Carson
Manuel Castro-Alamancos
Joseph F. Cheer
Jean-François Cloutier
Leonardo Cohen
Laura Colgin
Anis Contractor
Bevil Conway
J. Douglas Crawford
Liset M. de la Prida
Floris de Lange
Mauricio R. Delgado
Hanneke den Ouden
Alain Destexhe
Mingzhou Ding
Cheryl Dreyfus
Joseph El Khoury
Abdeljabbar El Manira
James Fawcett
Lesley K. Fellows
Andre Fenton
Vincent Ferrera
Stan Floresco
Alex Fornito
Christie D. Fowler
Michael J. Frank
Paul Frankland
Jack Gallant
Patricia Gaspar
Jonathan Godbout
Todd Golde

Shannon Gourley
Christian Haass
Saskia Haegens
Simon Hanslmayr
Matthew R. Hayes
Biyu He
Jens-Max Hopf
Jenny Hsieh
Eric Huang
Andrew Huberman
Frances Jensen
Sheena A. Josselyn
Thorsten Kahnt
Donald Katz

Matthew Kelley
Baljit Khakh
Hackjin Kim
Marlies Knipper
Dimitri Krainc
Rohini Kuner
Mark Laubach
Michael S. Levine
Ifat Levy
Andrew Lieberman
Angelika Lingnau
Mary Kay Lobo
David M. Lovinger
Carl Lupica
Qiufu Ma
Lori McMahon
Gavin McNally
Hugo Merchant
Suzanne M. Moenter
Lisa Monteggia
Marisela Morales
Maria Concetta Morrone
Keith Murai
Gabe Murphy
Timothy H. Murphy
Maiken Nedergaard
Bernad Nilius
John O'Doherty
Jonas Oblser
Christopher Pack
Anitha Pasupathy
Luiz Pessoa
Paul Phillips
David Pleasure
Gina R. Poe
Lucas Pozzo-Miller
Cathy Price
Antonio Rangel
Matthew Rasband
Margaret E. Rice
Erik D. Roberson
Matthew R. Roesch
Christian Rosenmund
Edward S. Ruthazer
Carlo Sala
Jürgen Sandkühler
Krish Sathian
Jorg B. Schulz
Hyojung Seo
Barry Setlow
Mark Shapiro
Gordon Shulman
Hartwig Siebner
Wayne S. Sossin
Tara Spire-Jones
William C. Stacey
Thomas A. Stalner
Hans Straka
Garret Stuber
Raymond Swanson
Carla Taveggia
Gregor Thut
Philippe N. Tobler
Kuei Y. Tseng
Flora Vaccarino
Matthijs van der Meer
Timothy J. Vickery
Henrique Von Gersdorff
Nicole Wenderoth
Donna M. Wilcock

Dianna Willis
Bettina Winckler
Danny G. Winder
Catharine Antonia Winstanley
Teresa L. Wood
Lawrence Wrabetz
Lori Zeltser
Fengquan Zhou
Ulf Ziemann

FEATURES EDITOR

Teresa Esch

EDITORIAL STAFF

Blythe Alexander
Adam Buck
Zachary Dourafei
Charnay Patterson
Jacqueline Perry
Julia Piper
Suzanne Rosenzweig
Allison Schubauer
Courtney Simmons

The Journal of Neuroscience (ISSN-0270-6474) is an 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 37 (2017) Institutional subscription rates are available online at <http://jneurosci.org/content/subscriptions/cost>. Single copies for the U.S. are \$100, \$115 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 four (4) 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 of Neuroscience* at a reduced rate should contact the Society's Membership Department (phone 202-962-4911, membership@sfn.org). Society members should also direct back issue requests to subscriptions@sfn.org.

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

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

Photocopies: *The Journal of Neuroscience* 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, Chemical Abstracts, Current Contents, EMBASE/Excerpta Medica, Index Medicus/Medline, PubMed, PubMed Central, and PsycINFO. © *The Journal of Neuroscience* is printed on acid-free paper that meets the minimum requirements of ANSI Standard Z39.48-1984 (Permanence of Paper). Copyright © 2017 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*.