

Journal of Neurophysiology

(a multidisciplinary neuroscience journal)

April 2015 Newsletter

Journal of Neurophysiology

a multidisciplinary neuroscience journal

Bill Yates, Ph.D.
Editor-in-Chief

Email: jnpeditor@the-aps.org

Web: <http://jn.physiology.org>



A publication of the American Physiological Society

Keep Informed about Journal of Neurophysiology

[Download Our Newsletters](#)

[View our Call for Manuscripts Collections](#)

[Subscribe to Our Table of Contents](#)



[Follow us on Facebook](#)



[Follow us on Twitter](#)

Useful Journal of Neurophysiology links:

Manuscript Types

- [General Description](#)
- [Rapid Reports](#)
- [NeuroForum](#)

Journal Information

- [Editorial Board](#)
- [Author Instructions](#)
- [Journal Homepage](#)

American Physiological Society

- [Membership Benefits](#)
- [Experimental Biology 2015](#)
- [Society Website](#)

In this Newsletter

[Our New Social Media Initiative](#)

[Meet the Editor at Experimental Biology 2015](#)

[Journal-Sponsored Events at Experimental Biology 2015](#)

[Our Commitment to Authors](#)

[Improvements in the Journal Website](#)

[NEW Calls for Manuscripts](#)

[Calls Closing Soon](#)

[The Importance of MetaData](#)

[Send us your Feedback](#)

Our New Social Media Initiative

Since last July, we have promoted manuscripts accepted by the *Journal of Neurophysiology* via [Facebook](#) and [Twitter](#). We want to broaden the circulation of our social media by linking our promotions to authors' Facebook and Twitter accounts.

If you would like us to link our promotions to your personal or institutional social media accounts, please do the following:

- [Like us on Facebook](#) or [follow us on Twitter](#) so your account is known by journal staff members.
- Once your manuscript is accepted, [email our editorial assistant](#) with your manuscript number and the social media accounts to be linked to the posting about your paper.

In addition to using social media, we promote manuscripts as featured articles on the [journal website](#), via [APSelect](#), and through our [Collections](#). This is just another reason to send us your best work.

Meet the Journal of Neurophysiology Editor at Experimental Biology 2015

If you are attending Experimental Biology 2015 in Boston and want to meet *Journal of Neurophysiology* editor Bill Yates, stop by:

- Booth # 518
- On Sunday, March 29
- From 2-3 PM

This is a good opportunity to discuss your ideas for manuscripts, and ways to improve the Journal.

Journal of Neurophysiology Sponsors Events at Experimental Biology 2015

Journal of Neurophysiology has teamed with the [American Physiological Society's Central Nervous System Section](#) to sponsor and promote events during the [2015 Experimental Biology Meeting](#) at the [Boston Convention Center](#).

Even if you have not attended Experimental Biology before, consider attending these exciting sessions, especially if you live in the Boston area.

Erlanger Distinguished Lecturer: Karl Deisseroth

[Deisseroth](#) played a pivotal role in developing two of the most important techniques in modern neuroscience: [optogenetics](#) and [CLARITY](#). Learn how to incorporate these techniques into your research from the scientist who developed them.

The title of the lecture is: **Optical tools for probing intact biological systems.**

The Erlanger Lecture is scheduled on [Monday, March 30](#) from 3:15-4:15 PM in Room 205C of the Boston Convention Center.

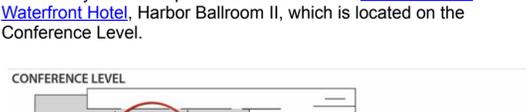
Journal of Neurophysiology Symposium

Following Deisseroth's lecture, *Journal of Neurophysiology* will sponsor a minisymposium on **Modern Methods to Understand Brain Connections and Neural Function**. Two lectures will be featured:

- Vincent Pieribone (Yale University and John Pierce Laboratory): **Genetically encoded optical voltage indicators**
- Bryan Roth (University of North Carolina): **DREADD 2.0: an enhanced chemogenetic toolkit**

Central Nervous System Reception

Following the *Journal of Neurophysiology* symposium, a Central Nervous System Reception will be held in the [Westin Boston Waterfront Hotel](#), Harbor Ballroom II, which is located on the Conference Level.



Stop by and enjoy drinks, food, and conversation with Karl Deisseroth and the symposium speakers.

Join us in Boston for these exciting events, and [other programming of interest to neuroscientists](#). See the [Experimental Biology website](#) for more information.

Our Commitment to Author Services

In the current competitive scientific arena, authors need rapid and thorough feedback on their manuscripts. The current [editorial team](#) is committed to high-quality author services. Our average turnover time for manuscripts (*from submission to decision*) is 21 days.

Short papers submitted as [Rapid Reports](#) are processed even faster, and receive an editorial decision within 14 days.

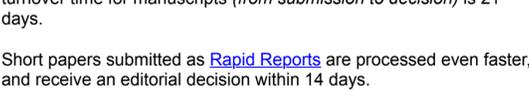
Manuscripts [transferred from another journal through the Neuroscience Peer Review Consortium](#) also received expedited consideration.

Quick, thorough, and fair peer review is just another reason to submit your best work to the *Journal of Neurophysiology*.

Improvements in the Journal Website

We have recently added a "Collections" page to the [journal website](#), which is a catalog of virtual journal issues related to our Calls for Manuscripts.

Our Collections are directly accessible from [this link](#), the "Articles" menu on the [journal website](#), or a link on the [home page](#).



When reading articles in our [Collections](#), don't forget to use the [Lens reader](#). This tool displays articles online in a two-column format, and makes it possible to explore figures, figure descriptions, references and more without losing your place in the article text. For example, when you come to the reference for Figure 1 in the text, just click the link and that figure will appear beside the text you are reading. No more scrolling to find figures!

To use the [Lens feature](#), just click on the button to the right of the screen after opening the article link.



New Calls for Manuscripts

Three new Calls for Manuscripts were released on March 15; submissions for these Calls are due no later than [January 1, 2016](#).

Manuscripts submitted for Calls can include any [article type](#) regularly published by *Journal of Neurophysiology*, including:

- Research Reports
- [NeuroForum](#)
- [Rapid Reports](#)
- Reviews
- Innovative Methodology

Note that *Journal of Neurophysiology* does not accept uncommissioned reviews; please consult with the [editor-in-chief](#) before composing and submitting a review article.

Active Sensing

In the early 20th century, sensing was typically considered passive. The prevailing notion was that the nervous system processed sensory inputs without playing an active role in modulating the signals. Around 1950, Sperry as well as von Holst & Mittelstaedt proposed that self-generated neural activity, which was labeled "reafference" by von Holst & Mittelstaedt, is also important in sensory processing. Over the years, the notion that sensing is an active process, with self-generated "efference copy" processed alongside sensory inflow, has been demonstrated across a broad range of sensory systems in a wide variety of species (e.g., insects, bats, rats, and humans). This Call for Manuscripts is dedicated to "active sensing," and focuses on how self-generated neural activity influences the processing of sensory information.

Neurological Disease and Autonomic Dysfunction

There is a growing appreciation that a variety of neurological diseases, including Parkinson's disease, epilepsy, Rett syndrome, and Leigh's disease, result in autonomic dysfunction. This Call for Manuscripts is to provide insights into the neurobiology of autonomic problems that result from neurological diseases.

Methods to Understand Brain Connections and Neural Function

A variety of new and innovative methods have recently been developed to elucidate brain connections and neural function, including [optogenetics](#), [CLARITY](#), [DREDD](#), and [Brainbow](#). This Call for Manuscripts provides insights into the implementation of these and related techniques, and how they are revolutionizing our understanding of the nervous system.

This Call for Manuscripts is associated with the [Erlanger Distinguished Lecture](#) and accompanying symposium at the 2015 Experimental Biology Meeting.

Calls for Manuscripts Closing Soon

Neurophysiology of Tactile Perception: A Tribute to Steven Hsiao

Steven Hsiao was the Scientific Director of the Johns Hopkins University Zanvyl Krieger Mind/Brain Institute until his untimely death on the June 16, 2014. The focus of Steve's career was to understand the neural basis of tactile perception.

Steve was a strong supporter of *Journal of Neurophysiology*, and the Journal is honoring him with a special Call for Manuscripts. This Call is for manuscripts related to somatosensory neurophysiology, including the encoding of tactile signals by sensory receptors, the processing of tactile signals by the central nervous system, and neural mechanisms for perceiving tactile signals.

Submissions for this Call are due no later than [June 1, 2015](#).

Neuronal Diversity: Categorizing Types of Neurons

Neurons have a variety of anatomical, electrophysiological, and biochemical properties. However, stratifying these properties into neuronal classifications has been difficult, despite the fact that such classification schemes are needed for elucidation of the functions of neural circuits as well as for regenerative medicine. This call is for manuscripts that provide insights into categorizing neuronal types.

Submissions for this Call are due no later than [July 1, 2015](#).

Control of Autonomic Function: Insights from Neurophysiological Studies in Conscious Animals (Including Humans)

Historically, most studies of neural pathways that regulate autonomic function were conducted in decerebrate or anesthetized animals, but recent neurophysiological experiments in conscious animals, including humans, have provided new and novel insights into the regulation of homeostasis. This call is to highlight findings from neurophysiological studies in conscious subjects (both humans and animals) that provide insights into autonomic function.

Submissions for this Call are due no later than [July 1, 2015](#).

The Importance of MetaData

An author recently asked why the author affiliations listed in [PubMed](#) did not match those on his manuscript. To streamline and expedite the publication process, the information transferred to PubMed comes from the manuscript's MetaData, or information entered directly in our [journal website](#). Thus, if you do not enter data into the website correctly, it will be wrong in PubMed.

For this reason, it is essential that you are careful when entering data when submitting your manuscript!

Send us your Feedback

- We are eager to receive constructive feedback on how to improve the journal.
- We are receptive for new topics for [Calls for Manuscripts](#).
- Send your ideas and suggestions to the [Editor-in-Chief](#).