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Journal of Neurophysiology (a multidisciplinary neuroscience journal)

March 2015 Newsletter

Journal of Neurophysiology

a multidisciplinary neuroscience journal

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American Physiological Society

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Our Tagline Becomes Official

Our [recent newsletters](#) have included a tagline: *a multidisciplinary neuroscience journal*. We added the tagline to remind our readers and authors that *Journal of Neurophysiology* publishes manuscripts that provide insights into the function of the nervous system, regardless of the methodology used to obtain the findings. We are not just an electrophysiology journal, but a general neuroscience journal.

Over the next few months, you will see the tagline everywhere, including the cover of the print version of the journal. You can preview mock-ups at [this link](#).

We are particularly interested in receiving manuscripts that utilize cellular and molecular techniques, and contemporary methodology such as optogenetics.

Remind your colleagues that the *Journal of Neurophysiology* embraces diversity, and that we do not discriminate against any technique! **Our mission is to publish the best papers that provide insights into neural function.**

New Calls for Manuscripts Coming on March 15

Journal of Neurophysiology (a multidisciplinary neuroscience journal) will now regularly issue calls for manuscripts to increase submissions related to important topics in neuroscience.

Manuscripts submitted for Calls will receive expedited peer review, and if accepted will be highlighted on the [journal website](#) and through a variety of other mechanisms.

We are proud to announce three new Calls for Manuscripts. The closing date for these Calls is [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.

New Call for Manuscripts: 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 "refference" 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.

Submissions for this Call are due no later than [January 1, 2016](#).

New Call for Manuscripts: 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.

Submissions for this Call are due no later than [January 1, 2016](#).

New Call for Manuscripts: 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.

Submissions for this Call are due no later than [January 1, 2016](#).

Lower Your Publication Costs and Gain Valuable Benefits by Joining the American Physiological Society

Publishing manuscripts in the *Journal of Neurophysiology* has always been a "good deal." Although our publication model entails a small submission fee and page charges, these fees are lower than for most open-access journals. Moreover, we offer a number of advantages over the majority of publishers:

- Rapid turnaround times for peer review of your article (*average of 21 days*).
- Personalized customer service from the [editor](#) and journal production staff.
- Final copyedited article is freely accessible at one year after publication (*not the author version, but the polished production copy*).
- Extensive highlighting of articles through a number of mechanisms.

Members of the [American Physiological Society](#) get even a better deal. Society members incur [no color charges](#) when they are the first or last author of a paper published in the *Journal of Neurophysiology*. Another benefit is free [online access](#) to the *Journal*, including historical content that is not open access.

American Physiological Society members also receive [many other benefits](#):

- Access to a number of [awards](#) for themselves, as well as their trainees. The newest award is the [Beverly Petterson Bishop Award for Excellence in Neuroscience](#). This \$20,000 annual research award recognizes an early-stage investigator with exceptional promise in neuroscience research.
- Leadership experience by [serving on a variety of different committees](#).
- Aid of a robust [government affairs program](#) that advocates for better support of science and less regulatory burden.

Membership in the American Physiological Society is truly a good deal for authors and readers of the *Journal*. Why not [apply today!](#)

Want to Be a Reviewer? Update Your Profile in Our Editorial System

When choosing reviewers, editors often search the *Journal's* database for keywords. Thus, you have the best chance of being selected to review a paper if your keywords in [our editorial system](#) are up to date.

If you have been an author or co-author of a manuscript in the *Journal of Neurophysiology*, or have reviewed for us in the past, you have an account in our [editorial system](#). If not, you can create an account.

To add keywords, follow these steps:

- [Login](#) and go to the bottom section, *General Tasks*.
- Click on "Modify Profile/Password," and enter your keywords in the "User-Defined Search Terms" section, which is at the bottom of the screen.
- Be as specific as possible to assure you get accurate assignments.

General Tasks

[Modify Unavailability Dates](#)

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[Display Past Reviews](#)

[Knowledge Base/Help](#)

[Logout](#)

User-Defined Search Terms
respiration, Blood Pressure, Circulation, Posture, Vestibular, vestibular influences on autonomic control

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 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 Kuhl (University of North Carolina): **DREDD 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](#) adjacent to the Convention Center. 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.

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](#).