

## Journal of Neurophysiology (a multidisciplinary neuroscience journal)

### January 2015 Newsletter

#### Journal of Neurophysiology

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*Journal of Neurophysiology* (a multidisciplinary neuroscience journal) will now provide a monthly newsletter to highlight its initiatives and features. If your colleagues are interested in subscribing, please [email us](#).

#### 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](#) adjacent to the Convention Center. Stop by and enjoy drinks, food, and conversation with Karl Deisseroth and the symposium speakers.

The Erlanger Lecture and accompanying symposium will provide a kick-off for a new [Call for Manuscripts](#) on **Methods to Understand Brain Connections and Neural Function**.

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

#### Calls for Manuscripts Closing Soon

*Journal of Neurophysiology* instituted Calls for Manuscripts in July, 2014. There are [six active calls](#), with three closing on March 1:

- Neurobiology of Deep Brain Stimulation
- Decision Making: Neural Mechanisms
- Correlating Neuronal Activity and Neural Imaging

Any manuscript type published by *Journal of Neurophysiology* can be submitted for Calls, including regular research manuscripts, [NeuroForum](#), and [Rapid Reports](#).

#### Highlighted Papers

All [Rapid Reports](#) and manuscripts submitted for [Calls for Manuscripts](#) will be highlighted on the [Journal website](#), and through other mechanisms. While highlighted, manuscripts are open access.

The following manuscripts are currently highlighted:

- [Sensing-Enabled Hippocampal Deep Brain Stimulation in Idiopathic Nonhuman Primate Epilepsy](#)  
([Call for Papers--Neurobiology of Deep Brain Stimulation](#))
- [The Vision of Hsiao on Somatosensation](#)  
([Call for Papers--Neurophysiology of Tactile Perception: A Tribute to Steven Hsiao](#))
- [Functional Territories in Primate Substantia Nigra Pars Reticulata Separately Signaling Stable and Flexible Values](#)  
([Call for Papers--Decision Making: Neural Mechanisms](#))
- [Modulation of Artificial Whisking Related Signals in Barrel Cortex](#)  
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- [Estimating the Time Course of Population Excitatory Postsynaptic Potentials in Motoneurons of Spastic Stroke Survivors](#)  
([Rapid Reports](#))
- [Hedgehog Pathway Blockade with the Cancer Drug LDE225 Disrupts Taste Organs and Taste Sensation](#)  
([Rapid Reports](#))

#### NeuroForum: A Special Article Type for Trainees

[NeuroForum](#) submissions are commentaries written by trainees regarding interesting, recently-published articles in the field of neuroscience. [NeuroForum](#) submissions also include mini-reviews that integrate work on a dynamic topic in neuroscience.

Encourage your trainees to become acquainted with *Journal of Neurophysiology* by submitting to NeuroForum. Please carefully follow the [NeuroForum guidelines](#) when composing and submitting articles.

#### Awards for Neuroscientists

Neuroscientists who are members of the [American Physiological Society](#) qualify for a number of [awards](#). The newest award offered to American Physiological Society members is the [Beverly Petterson Bishop Award for Excellence in Neuroscience](#). This \$20,000 annual research award recognizes an early-career investigator with exceptional promise in neuroscience research.

The availability of awards is just one reason why neuroscientists should join the [American Physiological Society](#). Other [member benefits](#) include:

- Online access to all [American Physiological Society journals](#) including *Journal of Neurophysiology*.
- Free color figures in manuscripts when the member is first or last author.
- Discounted fees for attending the Experimental Biology meeting and other conferences.

Why not make [membership](#) in the [American Physiological Society](#) one of your New Years' Resolutions!

#### 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](#).