

## Journal of Neurophysiology

A Multidisciplinary  
Neuroscience  
Journal

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[Manuscript Collections](#)  
[Calls for Manuscripts](#)  
[Manuscript Submission](#)  
[Editor's Site](#)  
[Newsletter Archives](#)



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Reminder about Calls for Manuscripts  
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## Calls for Manuscripts Closing Soon

Last July, we instituted [Calls for Manuscripts](#). The intent of this initiative is to generate content for our [Collections](#), virtual journal issues related to important topics in Neuroscience. This publication model has many advantages over conventional "special journal issues," since manuscripts are added to the Collection and available to readers as soon as they are accepted.

Any manuscript type routinely published by the *Journal of Neurophysiology* can be submitted for a Call, including reviews, research manuscripts, [Rapid Reports](#), [NeuroForum](#), and Innovative Methodology. Note: we do not process unsolicited reviews; please send an outline for your review to the [Editor-in-Chief](#) before composing and submitting your review.

Three Calls for Manuscripts closed recently. A number of manuscripts have already been added to the Collections related to each call, and many others are currently being revised, and will be added once accepted. These Collections can be directly accessed from the following links:

- [Neurobiology of Deep Brain Stimulation](#)
- [Decision Making: Neural Mechanisms](#)
- [Correlating Neuronal Activity and Neural Imaging](#)

Three additional Calls for Manuscripts will close soon. [Submit your manuscript](#) before the deadlines, so it can be included in our Collections:

- [Neurophysiology of Tactile Perception: A Tribute to Steven Hsiao \(closes June 1\)](#)
- [Neuronal Diversity: Categorizing Types of Neurons \(closes July 1\)](#)
- [Control of Autonomic Function: Insights from Neurophysiological Studies in Conscious Animals, Including Humans \(closes July 1\)](#)

Links to all of our Manuscript Collections are available on our [Collections page](#).

## Neurophysiology of Tactile Perception: A Tribute to Steven Hsiao (closes June 1)

Steven Hsiao was the Scientific Director of the Johns Hopkins University Zanvyl Krieger Mind/Brain Institute until his untimely death on 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.

Manuscripts already accepted for this Collection can be viewed or downloaded from [this link](#).

## Neuronal Diversity: Categorizing Types of Neurons (closes July 1)

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.

Manuscripts already accepted for this Collection can be viewed or downloaded from [this link](#).

## Control of Autonomic Function: Insights from Neurophysiological Studies in Conscious Animals (Including Humans) (closes July 1)

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.

Manuscripts already accepted for this Collection can be viewed or downloaded from [this link](#).

## Other Calls for Manuscripts (close January 1, 2016)

### [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, R. W. Sperry as well as E. von Holst and H. Mittelstaedt proposed that self-generated neural activity, which was labeled "reafference" by von Holst and 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 Papers 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 Papers 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 Papers provides insights into the implementation of these and related techniques, and how they are revolutionizing our understanding of the nervous system.