

Neurophysiology

Neurophysiology (from Greek νεῦρον, neuron, “nerve”; φύσις, physis, “nature, origin”; and -λογία, -logia, “knowledge”) is a branch of physiology and [neuroscience](#) that is concerned with the study of the functioning of the nervous system. The primary tools of basic neurophysiological research include electrophysiological recordings, such as patch clamp, voltage clamp, extracellular single-unit recording and recording of local field potentials, as well as some of the methods of calcium imaging, optogenetics, and molecular biology.

Neurophysiology is related to [electrophysiology](#), neurobiology, psychology, neurology, clinical neurophysiology, neuroanatomy, cognitive science, biophysics, mathematical biology, and other sciences concerning the brain.

Clinical Neurophysiology

see [Clinical Neurophysiology](#).

Cerebral physiology

see [Cerebral physiology](#).

Journals

see Journal of Neurophysiology <http://jn.physiology.org/>

see Clinical Neurophysiology <http://www.journals.elsevier.com/clinical-neurophysiology>

Neurophysiology <http://www.springer.com/biomed/neuroscience/journal/11062>

Societies

American Clinical Neurophysiology Society

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Last update: **2025/03/19 21:13**

