BRAIN RESEARCH

TABLE OF CONTENTS

DESCRIPTION

Brain Research publishes papers reporting interdisciplinary investigations of **nervous system structure** and **function** that are of general interest to the international community of neuroscientists. As is evident from the journals name, its scope is broad, ranging from cellular and molecular studies through systems neuroscience, cognition and disease. Invited reviews are also published; suggestions for and inquiries about potential reviews are welcomed.

With the appearance of the final issue of the 2011 subscription, Vol. 67/1-2 (24 June 2011), *Brain Research Reviews* has ceased publication as a distinct journal separate from *Brain Research*. Review articles accepted for *Brain Research* are now published in that journal.

N.B. Review articles are by invitation only; inquiries and suggestions for reviews should be directed to the *Brain Research* Editorial Office (bres@elsevier.com).

In the journal's Table of Contents, published papers will be shown under one of the Section titles listed below. Authors will be given the opportunity to choose the most appropriate section upon manuscript submission.

SECTIONS

•**Cell Biology**, **Signaling** and **Synaptic Transmission**
Studies investigating the cellular, molecular and genetic bases of structure, function and signaling (both intracellular and intercellular) in nervous systems.

•**Development**, **Degeneration** and **Regeneration**, and **Aging**
Studies concerning neuronal and glial development and the formation of the nervous system, molecular and cellular aspects of degeneration and regeneration, and changes associated with the aging brain.

•**Systems Neuroscience** and **Behavior**
Studies concerning structure and organization of neural circuits, sensory and motor systems, internal regulatory systems and the control of behaviors.

•**Cognition** and **Computation**

Studies of the neural mechanisms of cognition and behavior in humans and animal models including basic behaviors and higher mental functions; as well as studies dealing with realistic simulation, analysis and prediction of the structure and functions of nervous systems and individual neuronal and glial elements within nervous systems.

• **Neurobiology of Disease**
Studies whose primary focus is on clinically diseased nervous systems or disease models, including molecular, cellular, systems and behavioral approaches and analysis of therapeutic interventions.

• **Reviews**
Invited reviews on all aspects of nervous system structure and function. The editors welcome suggestions for specific review topics.

AUDIENCE

Neuroscientists, neurophysiologists, neuroendocrinologists, neurochemists, neuroanatomists, neuropharmacologists, neurologists.

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SECTIONS

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Cognition and Computation
Studies of the neural mechanisms of cognition and behavior in humans and animal models including basic behaviors and higher mental functions; as well as studies dealing with realistic simulation, analysis and prediction of the structure and functions of nervous systems and individual neuronal and glial elements within nervous systems.

Development and Aging
Studies concerning neuronal and glial development and the formation of the nervous system, molecular and cellular aspects of degeneration and regeneration, and changes associated with the aging brain.

Neurobiology of Disease
Studies whose primary focus is on clinically diseased nervous systems or disease models, including molecular, cellular, systems and behavioral approaches and analysis of therapeutic interventions.

Systems Neuroscience and Behavior
Studies concerning structure and organization of neural circuits, sensory and motor systems, internal regulatory systems and the control of behaviors.

Reviews
Invited reviews on all aspects of nervous system structure and function. The editors welcome suggestions for specific review topics.

TYPES OF PAPERS

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