



# BRAIN, BEHAVIOR, AND IMMUNITY

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Brain, Behavior, and Immunity*, founded in 1987, is the official journal of the [Psychoneuroimmunology Research Society](#) (PNIRS). This innovative journal publishes peer-reviewed basic, experimental, and clinical studies dealing with **behavioral, neural, endocrine, and immune system** interactions in humans and animals. It is an international, interdisciplinary journal devoted to original research in neuroscience, immunology, integrative physiology, behavioral biology, psychiatry, psychology, and clinical medicine and is inclusive of research at the molecular, cellular, social, and whole organism level. The journal features online [submission](#) and review. Manuscripts are typically peer-reviewed and returned to authors within 30 days of submission, leading to timely publication of experimental results. There are no submission fees or page charges for *Brain, Behavior, and Immunity*, which is published eight times a year. Detailed instructions for authors can be found at <http://ees.elsevier.com/bbi/>.

Research areas include: Physiological mechanisms that convey messages between the immune and nervous systems and regulate their functions Stress and immunity, including the role of stress-related hormones and neurotransmitters on the immune system. Actions of cytokines, growth factors and PAMP activation on neuronal and glial cells that regulate behavior, learning, memory and neurogenesis Role of hormones, growth factors and cytokines in the immune and central or peripheral nervous systems Interactions between the immune system and brain that are involved in development of neurological, psychiatric, and mental health disorders Role of immunological processes in neurodegenerative disorders The effects of psychotropic medications on immunological mechanisms and their potential relevance to therapeutic interventions Neuroimaging studies examining how immunological mechanisms affect brain structure and function Clinical trials and experimental studies testing the effects on both immune stimulation and immune suppression on brain and behavior The role of microglia in pain, psychological processes and in psychiatric disorders Immunological mechanisms involved in traumatic brain injury and its resolution Immunologic disorders, infection and behavior Role of the immune system in development and maintenance of inflammatory and chronic pain Immune mechanisms that regulate the blood-brain-interface (BBI) Immune factors that affect health psychology Sleep, exercise, immunity and health Immune system interactions that affect behavior following use of psychotropic drugs, alcohol and other drugs of abuse Healthy aging of the immune system and brain Role of inflammation and stress during perinatal development Cancer and its treatment, stem cells and their effects on brain behavior and immunity Reciprocal communication between the microbiome, immune and nervous systems Regulation of nerve injury and repair by the immune system Psychosocial, behavioral, and neuroendocrine influences on immunity and on the development and progression of immunologically-mediated diseases Nutrition, inflammation, obesity and behavior Genomics of behavior and immunity

## AUDIENCE

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Neuroscientists, Immunologists, Endocrinologists, Physiologists, Psychiatrists, Rheumatologists, Clinicians

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### INTRODUCTION

*Brain, Behavior, and Immunity*, founded in 1987, is the official journal of the Psychoneuroimmunology Research Society (PNIRS). This innovative journal publishes peer-reviewed basic, experimental, and clinical studies dealing with behavioral, neural, endocrine, and immune system interactions in humans and animals. It is an international, interdisciplinary journal devoted to original research in neuroscience, immunology, integrative physiology, behavioral biology, psychiatry, psychology, and clinical medicine and is inclusive of research at the molecular, cellular, social, and whole organism level. The journal features online submission and review. Manuscripts are typically peer-reviewed and returned to authors within 30 days of submission, leading to timely publication of experimental results. There are no submission fees or page charges for *Brain, Behavior, and Immunity*, which is published eight times a year. Detailed instructions for authors can be found at <http://ees.elsevier.com/bbi/>.

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#### *Types of Article*

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While the journal does not request details of authors contribution, in accordance with the Consensus Statement on Surgery Journals Authorship (2005) we expect that all authors meet all three of the following conditions: 1) Authors make substantial contributions to conception and design, and/or acquisition of data, and/or analysis and interpretation of data; 2) Authors participate in drafting the article or revising it critically for important intellectual content; and 3) Authors give final approval of the version to be submitted and any revised version.

Authors are expected to consider carefully the list and order of authors **before** submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only **before** the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the **corresponding author**: (a) the reason for the change in author list and (b) written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed.

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