DESCRIPTION

Brain, Behavior, and Immunity - Health (BBI - Health) is an open access journal and a companion title to Brain, Behavior, and Immunity. Both journals are the official journals of the Psychoneuroimmunology Research Society (PNIRS).

BBI Health publishes peer-reviewed basic, experimental, and clinical studies, dealing with behavioral, neural, endocrine, and immune system interactions in humans and animals, with an emphasis on research that has translational impact and clinical implications. The content spans a broad range of research fields, from neuroscience to immunology, from physiology to behavioural sciences, from psychiatry and psychology to clinical medicine, from molecular and cellular models to social and epidemiological observations.

Publications include research articles, reviews, special issues, research protocols, case reports, and viewpoints discussing policy, including ethical, health and cultural implications of research in psychoneuroimmunology.

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Research areas are broadly similar to those of Brain, Behavior, and Immunity, but with an emphasis on papers of translational relevance, such as:

• Biomarker analysis in patient samples and longitudinal cohorts.
• Results of clinical trials that examine psychological and psychiatric outcomes following treatment with drugs modulating the immune system.
• Results of clinical trials that examine immunological outcomes following treatment with drugs that affect the brain or psychological intervention.
• Cellular and animal work with compounds that have potential therapeutic applications.
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Exploring usage of Microglia as Biosensors and Bioeffectors of Brain Health

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Depression, inflammation, epidemiology, drug development, clinical translational sciences

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Preclinical and clinical research. Preclinical: mouse studies on mechanisms of sickness behaviour (especially chemokines and leukocyte biology); Clinical: Neuroimaging of chronic inflammatory diseases e.g rheumatoid and related conditions, peripheral inflammatory biomarkers

Lisa Christian, OHIO STATE UNIVERSITY WEXNER MEDICAL CENTER, Columbus, Ohio, United States of America
Studying use of psychoneuroimmunology (PNI) research approaches to examine how stress “gets under the skin” to impact health by affecting the neuroendocrine and immune systems.

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Psychosis, Schizophrenia, Stress, Childhood, Epidemiology

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Understanding interaction between systemic inflammation in the brain to bring about exacerbation of neurodegenerative disease

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Neuroimmunology, Sickness Behavior, Fatigue, Periphery-to-brain signaling, Cytokines, Inflammation

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Child trauma, early life stress

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Effects of social stress on the histological and behavioral consequences of experimental stroke

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Immune-to-brain communication, motivation, aversion, fever, genetic mouse models

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How stress, age, gender, and hormones affect immunity, inflammation, and health

Sonja Entringer, Charité Universitätsmedizin Berlin, Institute of Medical Psychology, Berlin, Germany
Fetal Programming of Health and Disease Risk, Stress and Cellular Aging

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Behavioral Immunology, Neuroimaging, Animal Models

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Understanding the mechanisms that control the activity of cytokines in vivo and developing novel immunotherapeutic approaches to the treatment of disease

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Antibody mediated inflammation in the CNS, and how these responses may contribute to the pathogenesis of neuroinflammatory and neurodegenerative diseases

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Immunobiology of autism spectrum disorders

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Developmental neurotoxicity, perinatal effects of antidepressants & amphetamines, pyrethroids, manganese, cognitive assessment, behavioral phenotyping

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Protein and RNA Homeostasis in Neurodegeneration

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Immunity and mental health, Molecular biology, Education
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Introduction

Brain, Behavior, and Immunity Health (BBI Health), founded in 2019, is one of the two official journals of the Psychoneuroimmunology Research Society (PNIRS). BBI Health is a sister journal to the more established Brain, Behavior, and Immunity, which was founded in 1987.

BBI Health is a Gold OA journal that publishes peer-reviewed basic, experimental, and clinical studies dealing with behavioral, neural, endocrine, and immune system interactions in humans and animals, with an emphasis on research that has translational impact and clinical implications. The content spans a broad range of research fields, from neuroscience to immunology, from physiology to behavioural sciences, from psychiatry and psychology to clinical medicine, from molecular and cellular models to social and epidemiological observations.

Publications include research articles, reviews, special issues, research protocols, case reports, and viewpoints discussing policy, including ethical, health and cultural implications of research in psychoneuroimmunology. We would like to particularly highlight that BBI Health will publish paper formats not accepted in its sister journal BBI, including research protocols, e.g. of clinical trials testing immunological interventions for mental health outcomes, or testing mental health interventions for immunological outcomes case reports of interest to the psychoneuroimmunology research community, spanning medical, psychiatric and neurological disorders realist reviews, illustrating the method for implementation research papers discussing policy, including ethical, health and cultural implications of research in psychoneuroimmunology.

This innovative journal publishes peer-reviewed basic, experimental, and clinical studies dealing with behavioral, neural, endocrine, and immune system interactions in humans and animals, but with a clear translation angle. 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.

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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 behaviour. The role of microglia in pain, psychological processes and in psychiatric disorders. Immunological me

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Publications include research articles, reviews, special issues, research protocols, case reports, and viewpoints discussing policy, including ethical, health and cultural implications of research in psychoneuroimmunology. We would like to particularly highlight that BBI Health will publish paper formats not accepted in its sister journal BBI, including research protocols, e.g. of clinical trials testing immunological interventions for mental health outcomes, or testing mental health interventions for immunological outcomes case reports of interest to the psychoneuroimmunology research community, spanning medical, psychiatric and neurological disorders realist reviews, illustrating the method for implementation research papers discussing policy, including ethical, health and cultural implications of research in psychoneuroimmunology.

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