Special Issue

Neuro-Immune Interactions During Healthy State and Disease

Message from the Guest Editor

For a long time, the brain was considered a separate entity that was hidden behind the blood–brain barrier. From there, like from a bunker, it would send commands via electrical and endocrine signaling. This notion, as well as the notion of brain immune-privilege, have long been dismissed. Recent discoveries in the topics of brain lymphatics, immune cell trafficking, autonomic nervous system influence on the immune system, etc., have drastically changed our view of the neuroimmune axis. Instead, this fieled has given rise to subjects like neuroimmunology, neuroinflammation, and psychoneuroimmunology. How the immune system changes brain function? How can the brain change the function of the immune system? Another question that is central to contemporary medicine is what determines whether immune responses play beneficial or detrimental roles in brain homeostasis. This Issue is seeking to bring together cutting edge scientific research and provocative reviews that will help to brainstorm future directions in the research of the neuroimmune axis.

Guest Editor

Prof. Dr. Denis Gris

Immunology Program, Department of Pharmacology-Physiology, Faculty of Medicine and Health Sciences, University of Sherbrooke, Sherbrooke, QC, Canada

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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