

## 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 field 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

---

### Deadline for manuscript submissions

closed (15 October 2020)



## Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/36599](https://mdpi.com/si/36599)

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

[mdpi.com/journal/  
brainsci](https://mdpi.com/journal/brainsci)





# Brain Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/journal/  
brainsci](https://mdpi.com/journal/brainsci)



## About the Journal

### Message from the Editor-in-Chief

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

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPIus / SciFinder, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).

#### Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.