



## Reviews in Developmental Neuroscience: Prenatal Brain Development and Its Transcendence for Adult Life

Guest Editors:

**Dr. Gabriel Gutiérrez-Ospina**

Laboratory of Systems Biology,  
Department of Cellular Biology  
and Physiology, Biomedical  
Research Institute, National,  
Autonomous University of  
Mexico, Mexico City 4510, Mexico

**Dr. Zulma Dueñas**

School of Medicine, National  
University of Colombia, Bogotá  
3840, Colombia

Deadline for manuscript  
submissions:

**closed (20 June 2024)**

### Message from the Guest Editors

The core of the epistemic structure of the theory of the brain rests, not indisputably, on three pillars, namely, the locationism, the connectionism, and the neuronal theory. Accordingly, most of the research programs forwarded by developmental neurobiologists to understand brain assembly have been devised to lend support to the conceptual core underlying brain theory. However, aspirations to understand the relationship of prenatal brain development with the individuation of adult behavior and the emergence of adult personality have lagged behind. In this volume, which is inspired by the theory that proclaims the Developmental Origins of Health and Disease (DOHaD) first articulated by David Barker, we invite colleagues worldwide to resume the analysis of one of the original objectives of the research program of developmental neurobiology by sharing novel data and/or insightful, provocative thoughts on the integrative processes that may tie embryonic/fetal neurodevelopmental mechanisms with adult behavioral and personality outcomes. Original research and review articles critically contrasting opposing views (e.g., geneticists versus non-geneticists) will be particularly welcomed.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Stephen D. Meriney

Department of Neuroscience,  
University of Pittsburgh,  
Pittsburgh, PA 15260, USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPlus / 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).

## Contact Us

---

Brain Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/brainsci](http://mdpi.com/journal/brainsci)  
[brainsci@mdpi.com](mailto:brainsci@mdpi.com)  
[X@BrainSci\\_MDPI](https://twitter.com/BrainSci_MDPI)