

## Special Issue

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

### 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.

---

### 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)



## Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/173949](https://mdpi.com/si/173949)

*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 3.4  
CiteScore 6.0  
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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Clinical Neurology) / CiteScore - Q2 (General Neuroscience)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.3 days (median values for papers published in this journal in the first half of 2026).