Special Issue

Fetal Foundations of Cognition: Tracing Neurodevelopmental Pathways from an Integrated Perspective

Message from the Guest Editors

Background & History: Research on fetal neurodevelopment is a burgeoning field, aiming to strengthen the tie between early brain developmental hallmarks and their lifelong cognitive and behavior sequels. Aim and Scope of the Special Issue: This special issue seeks to amalgamate cutting-edge research from two pivotal areas: basic research focused on fetal cognition foundations and clinical translational studies identifying neurodevelopmental alterations with potential long-term effects on cognition, emotion, and behavior. Cutting-Edge Research: We encourage submissions employing innovative fetal brain research methodologies, including structural and functional MRI, with an emphasis on novel approaches such as AI to advance our understanding of fetal neurodevelopment and its implications for later cognitive functions. Call for Papers: Papers should present integrated perspectives, utilize advanced methodological frameworks, and ideally include longitudinal studies that correlate fetal findings with neurocognitive outcomes measured at later stages of life, through behavioral or neuroimaging techniques.

Guest Editors

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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.

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