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

Guest Editors:

Dr. Pasquale Anthony Della Rosa

Department of Neuroradiology,
IRCCS San Raffaele Scientific
Institute, Milan, Italy

Dr. Cristina Baldoli

Neuroradiology Department,
IRCCS San Raffaele Hospital, Via
Olgettina 60, 20132 Milan, Italy

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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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

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

Message from the Editor-in-Chief

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

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