

## Special Issue

# Advances in the Neurodevelopment of Newborn Infants

### Message from the Guest Editors

During pregnancy, the cerebral cortex becomes innervated, beginning with the subplate. In the case of the visual system retinal waves prime the visual cortex. During the latter part of pregnancy, the sensory systems prepare to functionally evaluate incoming information, allowing for the motor system to prepare to act. As all of the senses, including vision, function at birth, sensorimotor capabilities such as reaching and looking will be adjusted to the outside world. Moreover, newborns are sensitive to visual and auditory social stimuli. As such, it is from birth that infants explore objects and activity in their surroundings and reflect on them. This Special Issue seek articles related to the following topics: An overview of the important neural events during late fetal development and the neurodevelopment of newborns up to 3 months of age. Early perceptual capabilities, including those for smell, taste, hearing, vision, and proprioception and sensorimotor capabilities such as reaching and looking. The neurodevelopmental problems that arise in connection with premature birth; Basic methods for evaluating brain functioning in the fetus and in newborn children

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 August 2024)



## Brain Sciences

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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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