



nutrients



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Nutrition for Brain Development and Repair

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Message from the Guest Editor

Dear Colleagues,

Nutrients are a prerequisite for the growth and development of any organism and of major importance for brain development. Fetuses, newborns, and infants exposed to poor nutritional support are at high risk for neurodevelopmental deficits. Nutrients can potentially play an active neuroprotective role on developmental brain injury. Nutrients with specific direct or indirect activities such as antioxidant, anti-inflammatory, and neurotrophin expression could reduce induced brain damage. As a general neuroprotective strategy, the optimization of protein, fatty acids, and energy intake during gestation and after birth is the most important step toward this goal, but the addition of specific active nutrients can further reduce damage by specifically targeting injury and/or repair.

The aim of this Special Issue is to put together high-quality research, clinical or experimental, that looks for the effects of lack or altered nutrition during prenatal and postnatal brain development, but also for neuroprotection conferred by specific nutrients.



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Special *Issue*



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