Brain Medicine

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Cover Art

A conceptual visualization depicting the impact of maternal immune activation on hippocampal neuron development. A laboratory rat is shown holding a transparent model of a brain with visible neural pathways, symbolizing the relationship between maternal infection during pregnancy and altered neuronal excitability in offspring. The warm amber tones of the rat contrast with the translucent pink-hued brain model, representing the delicate balance of neurotransmission affected by prenatal immune challenges. The ethereal glow extending from the brain highlights the glutamatergic pathways particularly vulnerable to maternal immune activation, with connections illustrated flowing into crucial hippocampal regions. This image reflects the findings presented in "Maternal immune activation impairs hippocampal pyramidal neuron excitability in newborn rat offspring: Implications for neurodevelopmental disorders" by Lucia Moravcikova et al. on pages 46-52 in this issue.

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