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Disruption of adult olfactory neurogenesis induces deficits in maternal behavior in sheep.

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Highlights

- Cerebral infusion of Ara-C in sheep induces a dramatic decrease in olfactory neurogenesis
- A reduction in olfactory neurogenesis induces deficits in maternal vocalizations at parturition.
- A reduction in olfactory neurogenesis induces deficits in recognition of the familiar lamb.

Abstract

Profound behavioral changes occur in the mother at parturition, a time when the maternal brain undergoes extensive remodeling of neural circuits, especially in

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