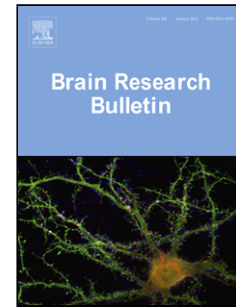


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Normative distribution of substance P and its tachykinin neurokinin-1 receptor in the medullary serotonergic network of the human infant during postnatal development

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Highlights:

- Specific investigation of the normative developmental distribution profile of substance P and its tachykinin neurokinin-1 receptor within 14 critical homeostatic nuclei in the medullary serotonergic network of the human infant.
- Widespread co-localization and co-distribution of the SP/NK1R system in the medullary serotonergic network, with a trend for SP binding to decrease with age.
- Significantly higher SP receptor binding observed in premature and male infants, which could have significant implications for increased susceptibility for certain paediatric brainstem related conditions in premature and male infants.

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