

NEWS UPDATE

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Scientists Find Brain Chemical Linked to Trauma and Depression: Study



In research published in *Nature Neuroscience*, scientists identified elevated levels of the neurochemical bradykinin in individuals with early-life trauma and major depressive disorder. The compound affects neural circuits involved in fear, mood regulation and resilience. Experiments showed that mice genetically engineered to overproduce bradykinin exhibited anxiety-like behaviors, learned helplessness and diminished social interaction effects reversed by blocking bradykinin receptors. These findings suggest that targeting bradykinin signaling could pave the way for *novel treatments* in trauma-related depression and PTSD. While the research is still early-stage, it opens promising pathways for personalized psychiatry and better understanding of how trauma biologically alters brain chemistry.

Source: <https://health.economictimes.indiatimes.com/news/industry/scientists-find-brain-chemical-tied-to-trauma-and-depression-study/125248364>