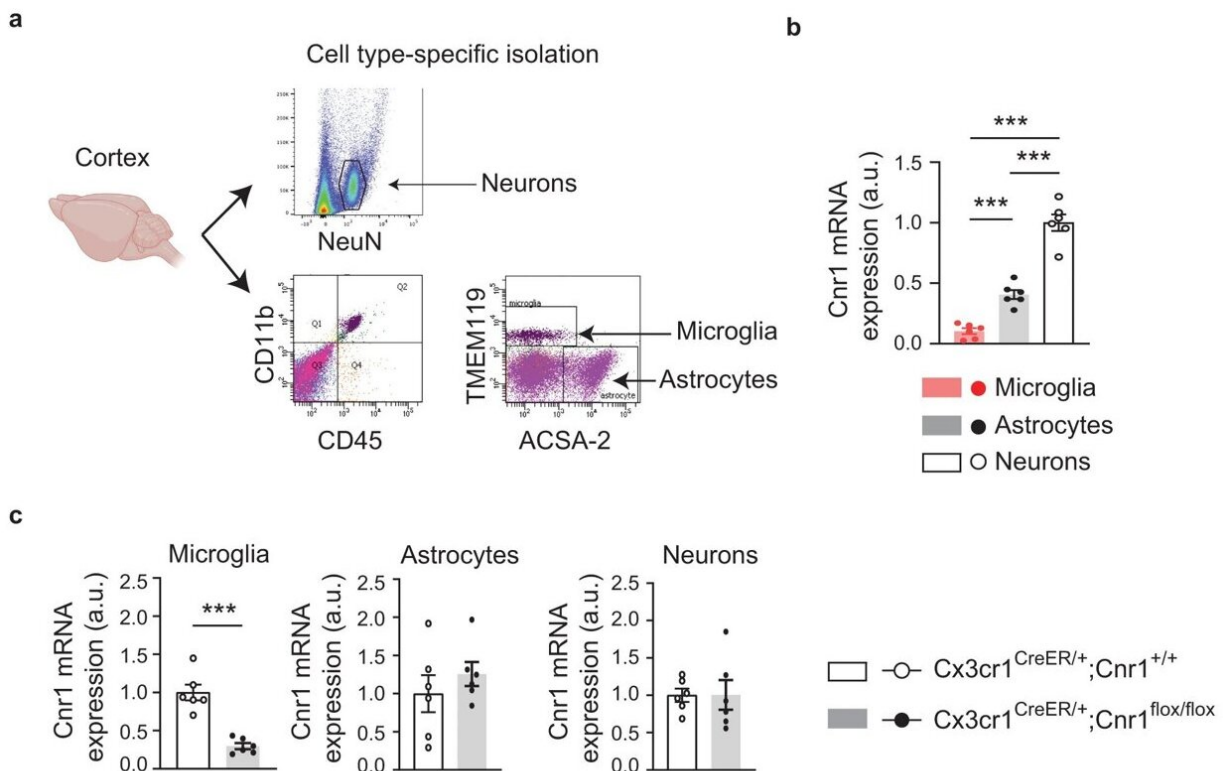


# Study suggests marijuana use damages brain immune cells vital to adolescent development

October 25 2023



Cnr1 expression in the microglia of the mouse brain. **a** Experimental flow of Fluorescence-Activated Cell Sorting (FACS)-based microglia (CD45<sup>+</sup>CD11b<sup>+</sup>TMEM119<sup>+</sup>), astrocyte (ACSA-2<sup>+</sup>), and neuron (NeuN<sup>+</sup>) isolation using specific cell markers. **b** Relative mRNA expression levels (arbitrary units: a.u.) of Cnr1 in microglia, astrocytes, and neurons isolated from wild type mice were measured by quantitative real time PCR (qPCR) using the TaqMan assay protocol. *n* = 6 mice per group. \*\*\**p*

Citation: Study suggests marijuana use damages brain immune cells vital to adolescent development (2023, October 25) retrieved 27 April 2024 from <https://medicalxpress.com/news/2023-10-marijuana-brain-immune-cells-vital.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.