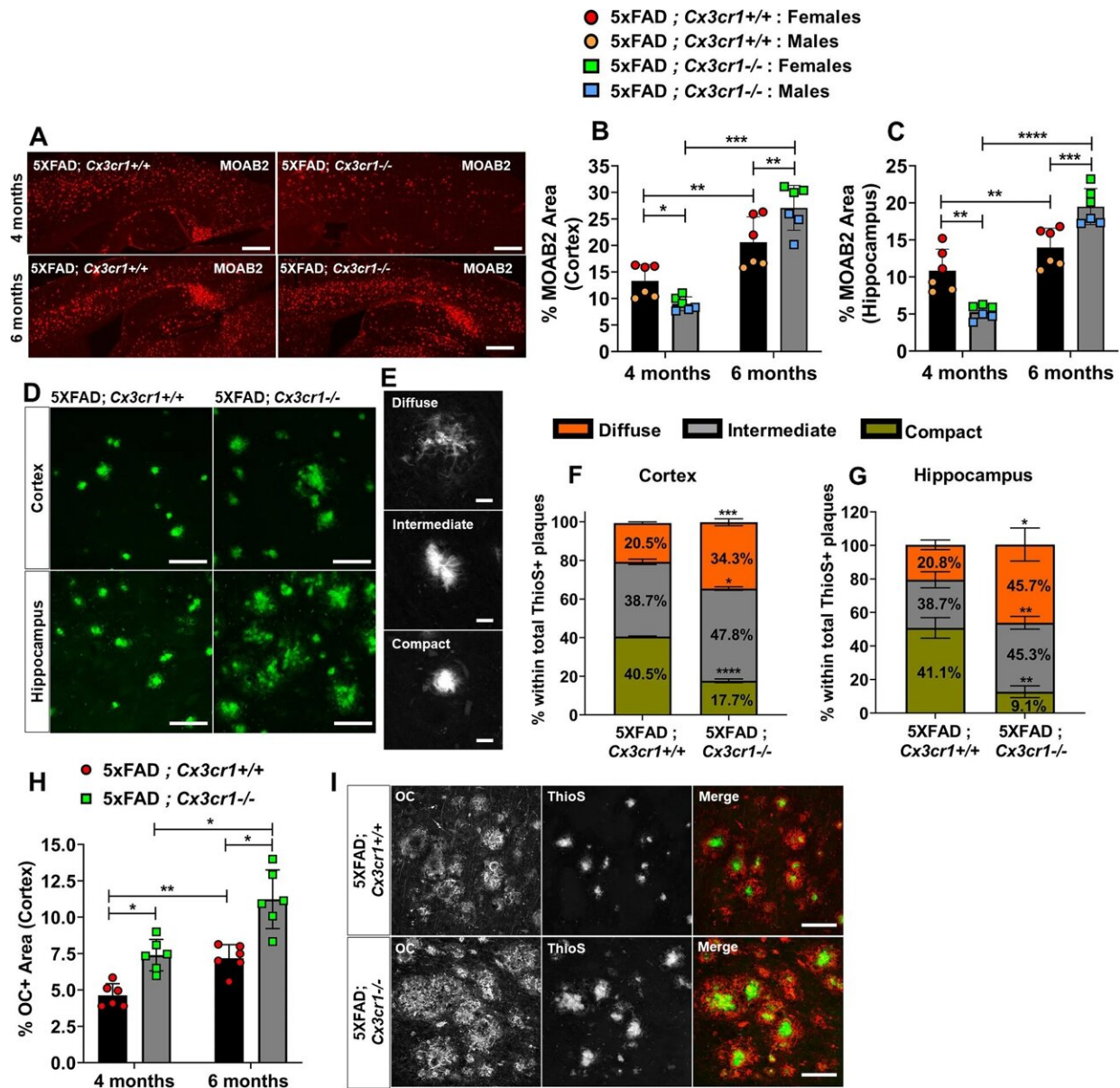


# Researchers investigate brain's immune cell response in Alzheimer's disease

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Accelerated plaque deposition in 5xFAD mice deficient in *Cx3cr1*. (A) Accumulation of MOAB2<sup>+</sup> A $\beta$ <sub>42</sub> plaques in (top panels) 4 month-old vs. (bottom panels) 6 month-old 5xFAD;*Cx3cr1*<sup>+/+</sup> and 5xFAD;*Cx3cr1*<sup>-/-</sup> mice. Scale bars = 500  $\mu$ m. Quantification of %MOAB2<sup>+</sup> areas in the (B) cortex and (C) hippocampus of 4 and 6 month-old 5xFAD;*Cx3cr1*<sup>+/+</sup> (black bars) and 5xFAD;*Cx3cr1*<sup>-/-</sup> (gray bars) mice. Data in B,C represent mean proportions of cortical and hippocampal MOAB2<sup>+</sup> areas quantified using  $n = 6$  animals (3 females, 3 males) per genotype, per time-point. Error bars represent SEM. Statistical analysis done using two-way ANOVA ( $p^{\text{int}}$  cortex

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