

CX3CR1-Cre Mice

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Principal investigator

Steffen Jung

Faculty of Biology

Department of Immunology and Regenerative Biology

Principal investigator

Ki-Wook Kim

Biology

Department of Immunology and Regenerative Biology

Principal investigator

Simon Yona

Overview

Cx3cr1-Cre mice express Cre recombinase under the direction of the Cx3cr1 promoter in the mononuclear phagocyte system, making them useful for fate-mapping studies of the monocyte and macrophage compartments, as well as microglia. These mice do not express endogenous Cx3cr1.

CX3CR1 is a chemokine receptor expressed in the mononuclear phagocyte system, as well as microglia. Homozygous mice are viable and fertile. When Cx3cr1-Cre is bred with mice containing a loxP-flanked sequence, cre-mediated recombination will result in the deletion of the floxed sequences in the cre-expressing cells of the offspring.

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References

[Yona S., et al., *Immunity*, 2013](#) [1]