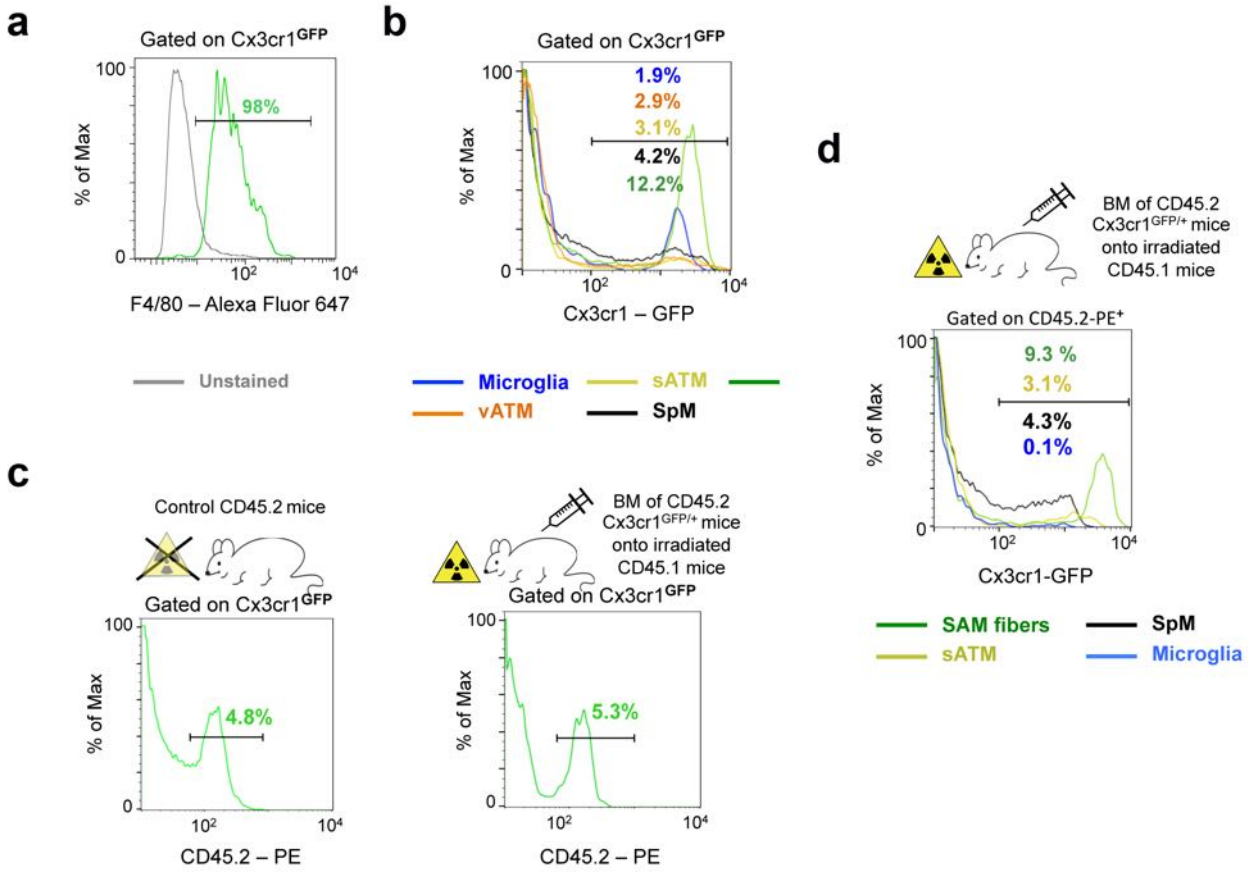
Supplementary Figure 4



Supplementary Figure 4. Sympathetic neuron-associated Cx3cr1$^{GFP/+}$ cells are macrophages and repopulate after bone marrow irradiation.
(a) Representative flow cytometry histogram for F4/80–Alexa Fluor 647 expression by Cx3cr1-positive cells in the nerve fibers in subcutaneous fat from *Cx3cr1$^{GFP/+}$* mice. Cells were gated on Cx3cr1-GFP-positive population. Histograms are representative of 5 independent experiments. **(b)** Percentages of Cx3cr1-GFP-positive cells in the following tissues: spleen (SpM; black), visceral adipose tissue (vATM; orange), subcutaneous adipose tissue (sATM; yellow), sympathetic nerve fibers (SAM fibers; green) and brain (Microglia; blue). Cells were gated on CD45.2-PE-positive population. Histograms are representative of 5 independent experiments. **(c-d)** Bone marrow chimeras of *Cx3cr1$^{GFP/+}$* donors onto irradiated *B6-CD45.1* host mice. **(c)** Percentages of CD45.2-PE-positive cells in sympathetic nerve fibers are shown in non-irradiated control *B6-CD45.2* (left panel) and irradiated *B6-CD45.1* chimeric mice that were reconstituted with bone marrow from *B6-CD45.2* mice (right panel). Histograms are representative of 3 experiments. **(d)** Percentages of Cx3cr1-GFP-positive cells in sympathetic nerve fibers (green), adipose tissue (yellow), spleen (black) and brain (blue) in irradiated *B6-CD45.1* mice that were reconstituted with bone marrow from *Cx3cr1$^{GFP/+}$* mice. Cells were gated on CD45.2-PE-positive population. Histograms are representative of 3 experiments.