

Expanded View Figures

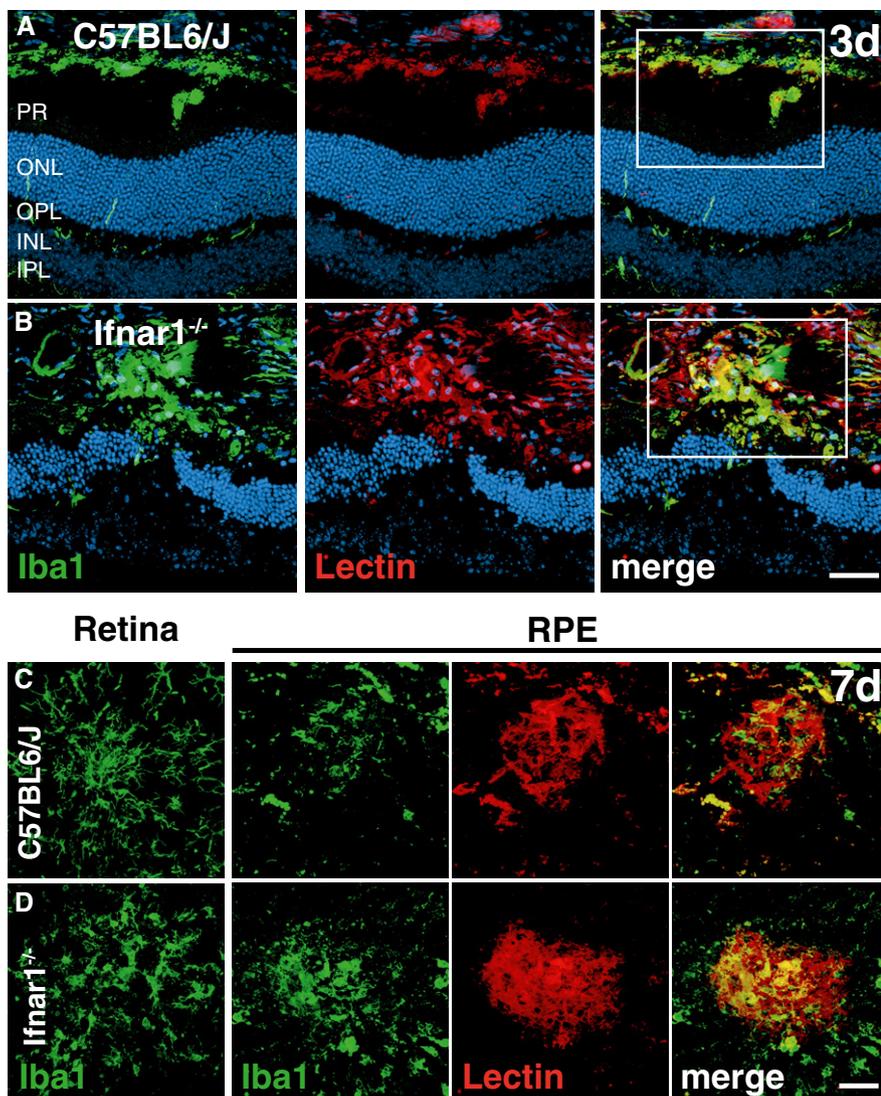


Figure EV1. Loss of *Ifnar1* enhances CNV and leads to accumulation of mononuclear phagocytes in the subretinal space.

A, B Representative images of Iba1 (green) and lectin (red) co-stained retinal cross sections 3 days after laser coagulation in C57BL6/J controls (A) and *Ifnar1*^{-/-} (B) mice with nuclear staining (DAPI, blue). The white box indicates the spot where the laser hit the retina. Scale bar 50 μ m.

C, D Representative images of Iba1 (green) stained retinal flat mounts and Iba1 and lectin (red) co-stained RPE/choroidal flat mounts 7 days after laser coagulation in C57BL6/J (C) and *Ifnar1*^{-/-} (D) mice. Scale bar 50 μ m.

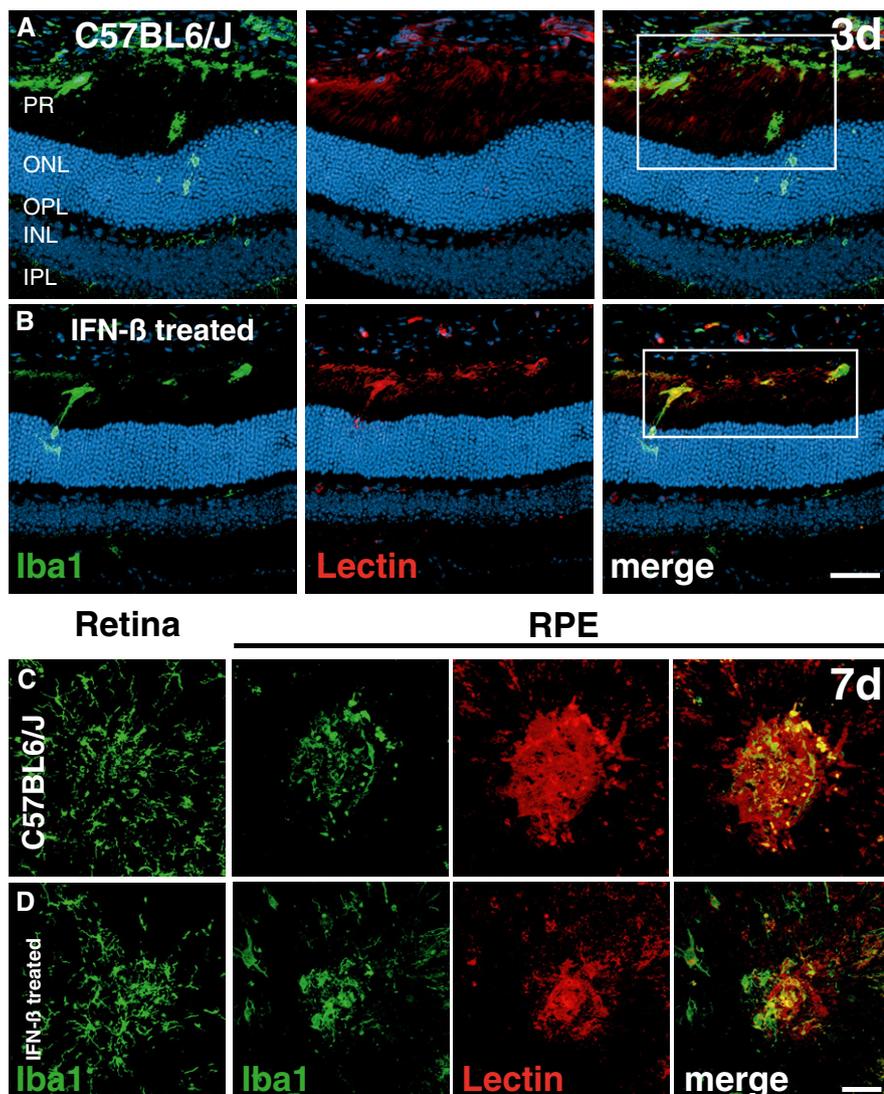


Figure EV2. Reduced CNV and subretinal mononuclear phagocyte accumulation in IFN- β -treated mice.

A, B Representative images of Iba1 (green) and lectin (red) co-stained retinal cross sections 3 days after laser coagulation in C57BL6/J controls (A) and IFN- β -treated C57BL6/J (B) mice with nuclear staining (DAPI, blue). The white box indicates the spot where the laser hit the retina. Scale bar 50 μ m.

C, D Representative images of Iba1 (green) stained retinal flat mounts and Iba1 and lectin (red) co-stained RPE/choroidal flat mounts 7 days after laser coagulation in C57BL6/J controls (C) and IFN- β -treated C57BL6/J (D) mice. Scale bar 50 μ m.

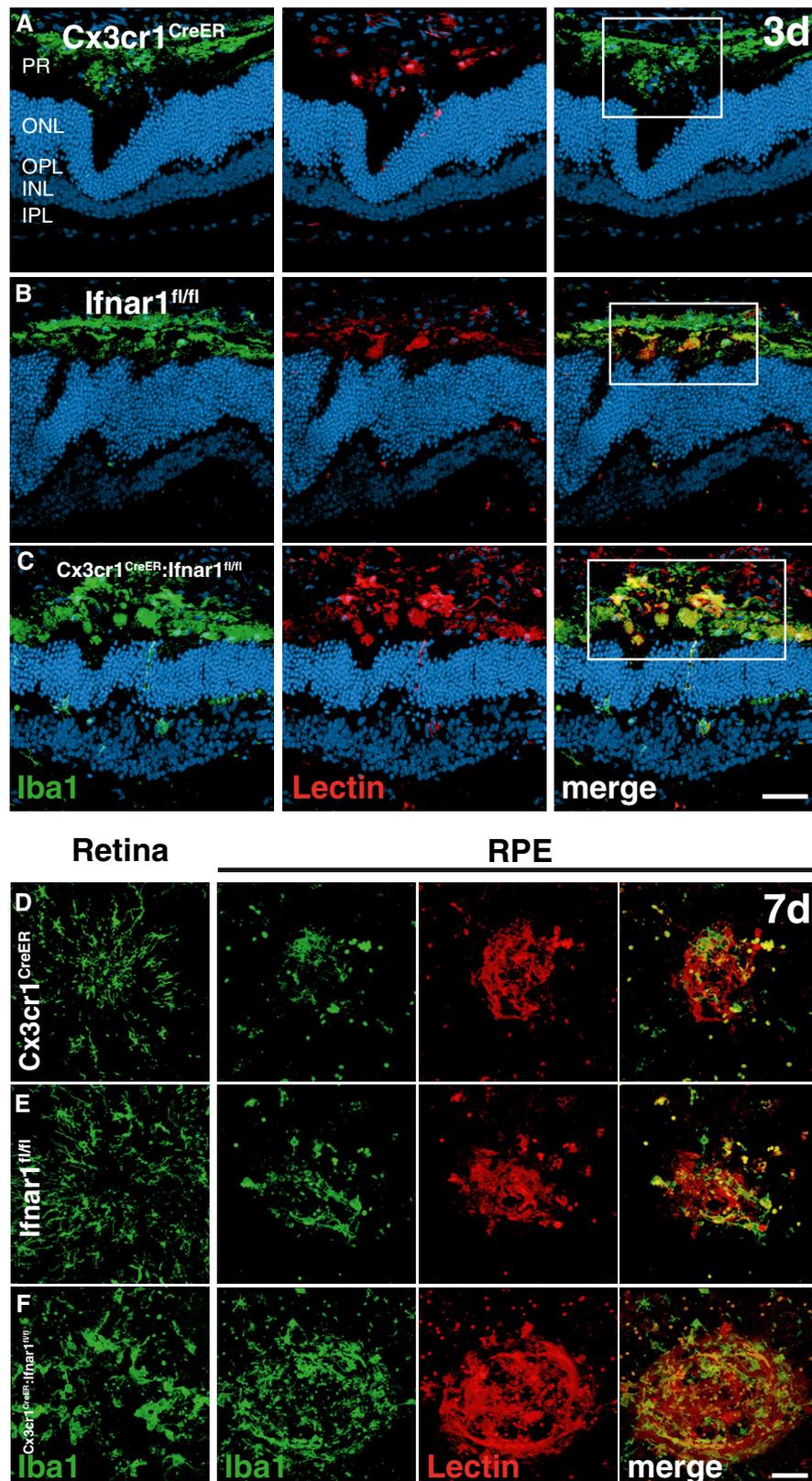


Figure EV3. Loss of *Ifnar1* in microglia/macrophages leads to their subretinal accumulation and enhances CNV.

A–C Representative images of Iba1 (green) and lectin (red) co-stained retinal cross sections 3 days after laser coagulation in C57BL6/J controls (A) and *Ifnar1*^{-/-} (B) and *Cx3cr1*^{CreER}; *Ifnar1*^{fl/fl} (C) mice with nuclear staining (DAPI, blue). The white box indicates the spot where the laser hit the retina. Scale bar 50 μ m.

D–F Representative images of Iba1 (green) stained retinal flat mounts and Iba1 and lectin (red) co-stained RPE/choroidal flat mounts 7 days after laser coagulation in C57BL6/J controls (D) and *Ifnar1*^{-/-} (E) and *Cx3cr1*^{CreER}; *Ifnar1*^{fl/fl} (F) mice. Scale bar 50 μ m.