

Supplement Figures

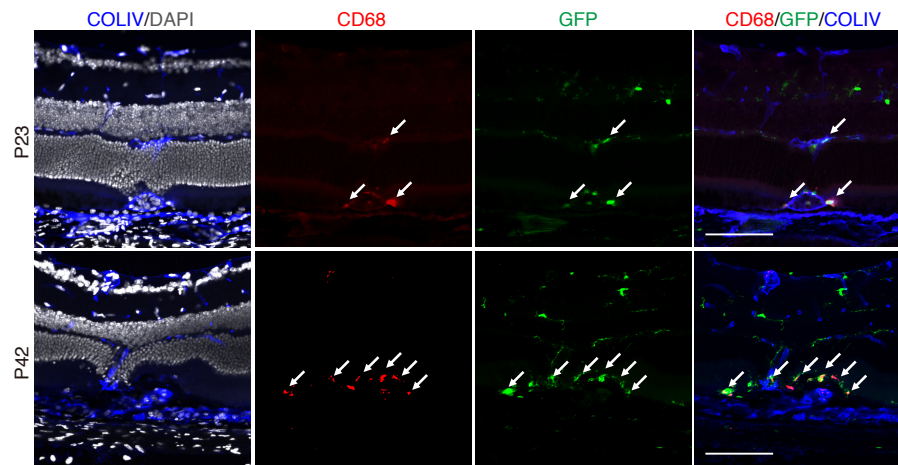


Figure S1. Neovascular tufts are surrounded by GFP-positive myeloid cells, many of which are activated in *Vldlr*^{-/-} mice. Sectional immunohistochemistry for indicated antibodies in *Vldlr*^{-/-};*Cx3cr1*^{GFP/+} mice. CD68, a marker for microglia activation, is expressed around neovascular tufts at P23, and became more intense at P42 (white arrows). Scale bars: 100 μ m.

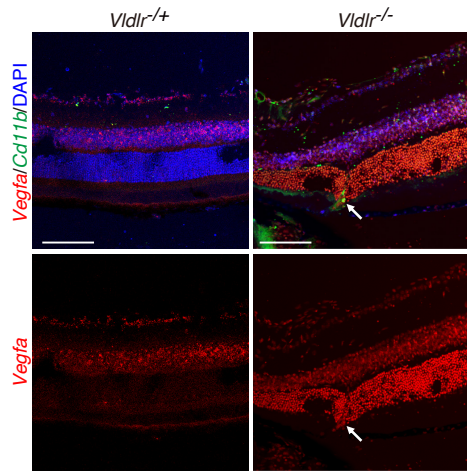


Figure S2. *Vegfa* expression in outer nuclear layer is upregulated in *Vldlr*^{-/-} mice. In situ hybridization analysis of *Vegfa* and *Itgam* (*CD11b*) expression in the retinas of P23 *Vldlr*^{-/-} and *Vldlr*^{+/+} mice. White arrow indicates microglia migrated into outer retina. Scale bars: 100 μ m.

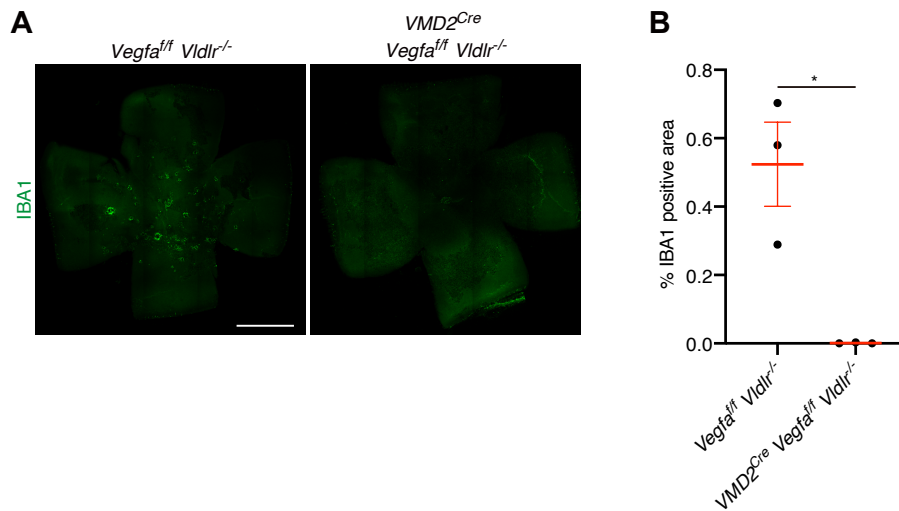


Figure S3. IBA1 positive microglia are not localized in outer retina of RPE-specific *Vegfa* deleted *Vldlr*^{-/-} mice.

(A) The outer-retinal microglia at P23 were visualized by immunostaining with IBA1 antibody in *VMD2^{Cre}; Vegfa^{ff}; Vldlr^{-/-}* mice and *Vegfa^{ff}; Vldlr^{-/-}* mice. Scale bars: 1 mm. (B) The percentage of IBA1 positive area were analyzed at P23 (n=3 each). The p-values were calculated using an unpaired two-tailed t-test. *p < 0.05. Error bars indicate the mean ± standard error of the mean (SEM).