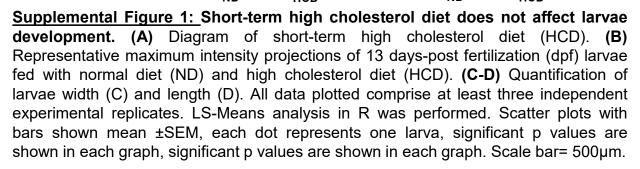
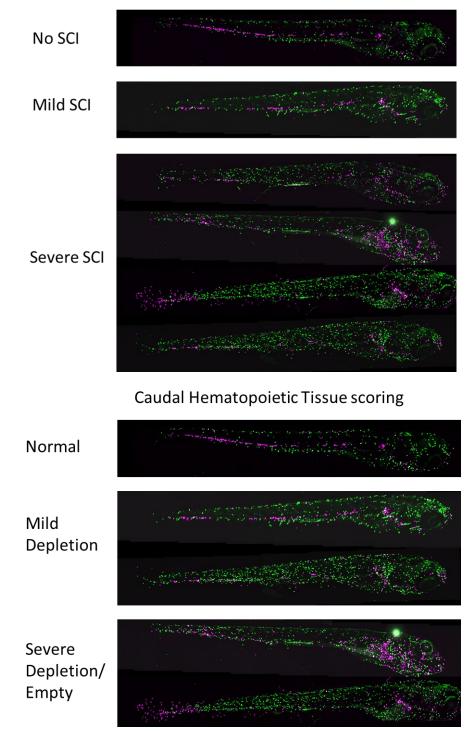


Α



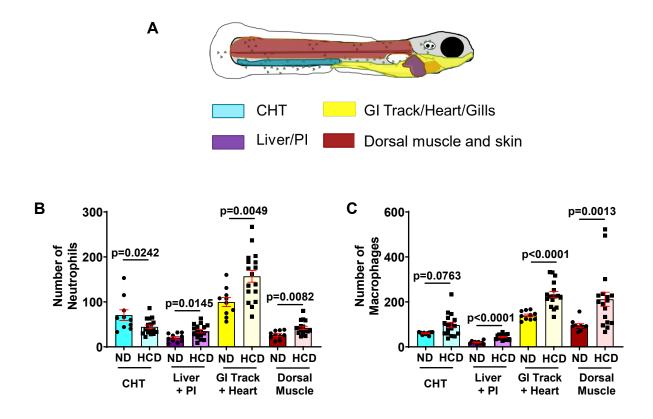
Systemic Chronic Inflammation scoring



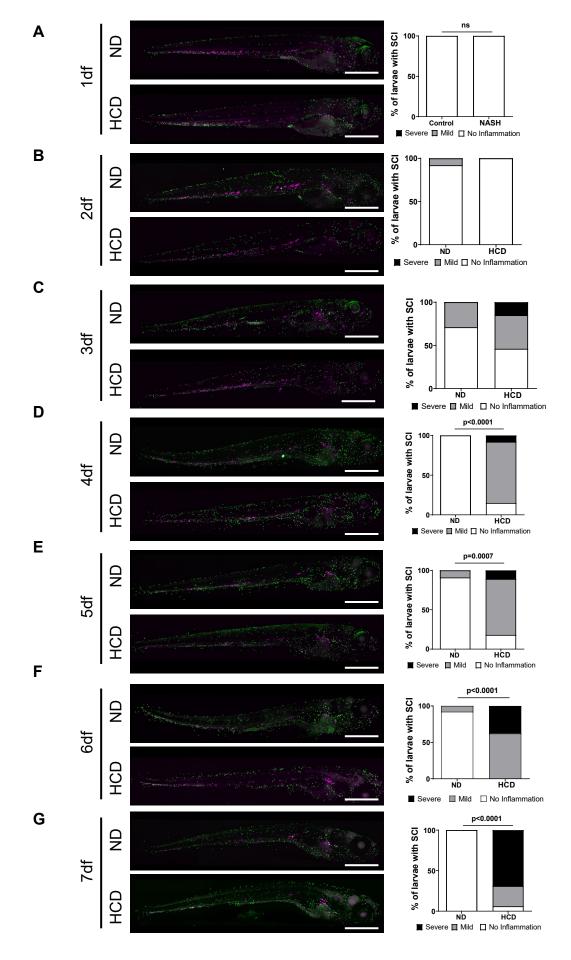
Suppl. Figure 2: Systemic Chronic Inflammation (SCI) and CHT neutrophil depletion scoring systems. (**A-B**) Representative maximum intensity projections of 13 days-post fertilization (dpf) transgenic larvae fed with normal diet (ND) and high cholesterol diet (HCD).

Α

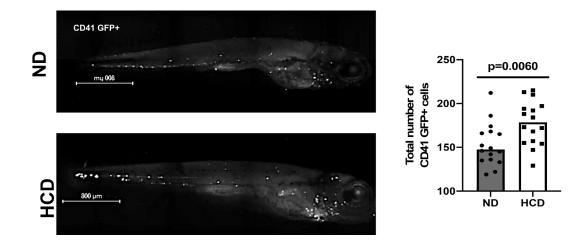
В



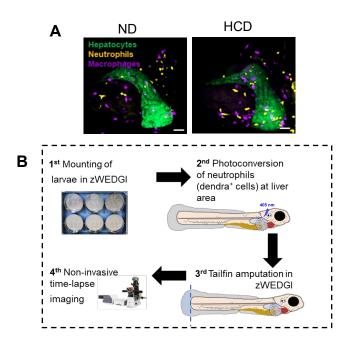
<u>Suppl. Figure 3:</u> Short-term high cholesterol diet induces innate immune cell infiltration to tissue and organs. (A) Diagram of different areas in the fish. (B and C) Quantification of number of neutrophils (B) and macrophages (C) present at different areas. Caudal Hematopoietic Tissue (CHT); liver and posterior intestine (PI); gastro-intestinal (GI) track, heart and gills; Dorsal Muscle. Analysis performed in Graph-Prism. t-test two-tailed with Mann Whitney post-test. Dot plots show mean ± SEM, p values are shown in each graph.



<u>Suppl. Figure 4:</u> Timeline of Systemic Chronic Inflammation (SCI). (A-G) Representative maximum intensity projections of 6-12 days-post fertilization (dpf) transgenic larvae fed with normal diet (ND) and high cholesterol diet (HCD) from 1-7 days of feeding. And corresponding quantification of SCI. Scale bar=500µm



Suppl. Figure 5: NASH larvae show increased number of hematopoietic stem cells (**A**) Representative maximum intensity projections of 13 days-post fertilization (dpf) transgenic larvae fed with normal diet (ND) and high cholesterol diet (HCD) at different days of feeding. (**B-C**) Quantification of CD41+ cells in whole larvae.



Suppl. Figure 6: Neutrophil reverse migration from liver area. (A) representative image of neutrophil recruitment at liver area of larvae fed with Normal diet (ND) and High Cholesterol Diet (HCD). (B) Diagram of experimental set up to evaluate the percentage of neutrophils that reverse migrate from liver area to tailfin transection injury.