Automated High-Throughput Light-Sheet Fluorescence Microscopy of Larval Zebrafish

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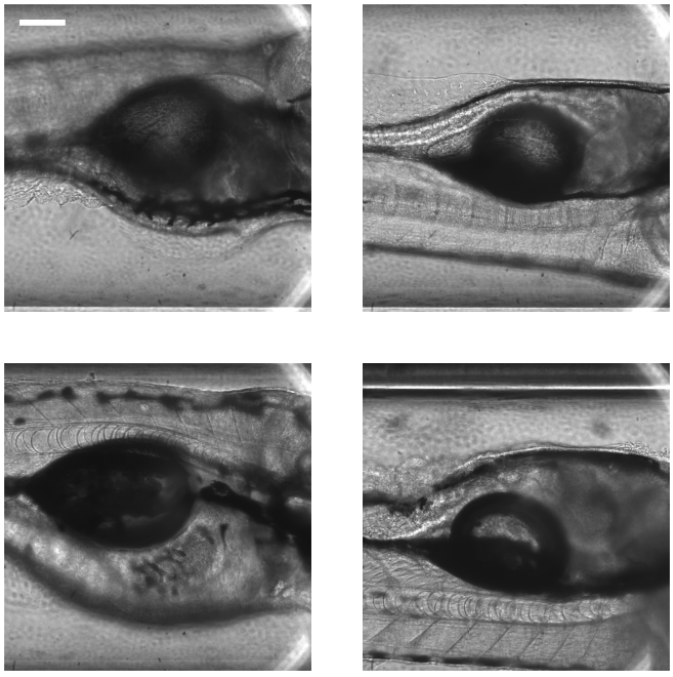
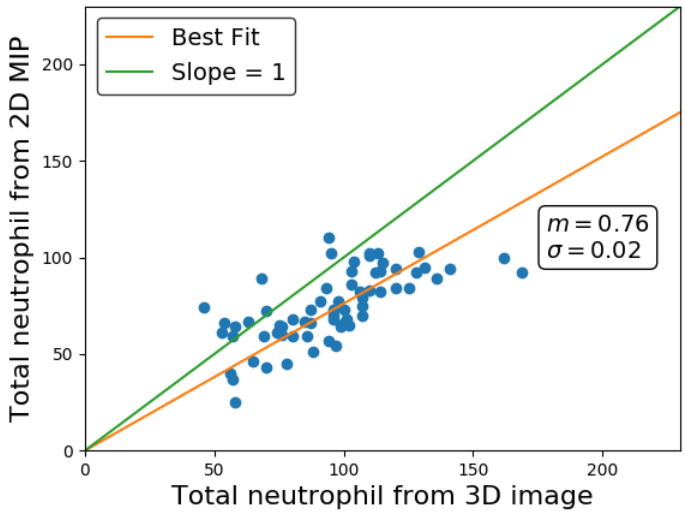
Supplemental Figures



Supplemental Figure 1. Sample brightfield images of four larval zebrafish, captured and saved prior to light sheet fluorescence imaging. Notably, the orientation is random in the capillary, with a tendancy toward either "gut down" or "gut up." Scale bar: 100 μm.



Supplemental Figure 2. The number of neutrophils in 67 larval zebrafish, assessed from two-dimensional maximum intensity projections and from the full three-dimensional light sheet fluorescence scans. The former is 0.76 ± 0.02 of the latter, indicating that three-dimensional imaging is necessary to capture all the cells in a three-dimensional volume.