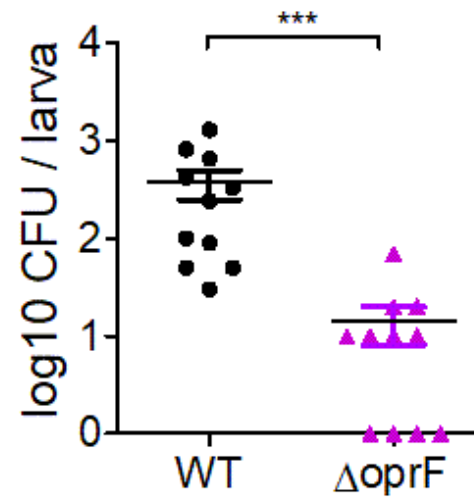


***Pseudomonas aeruginosa* OprF plays a role in resistance to macrophage clearance during acute infection**

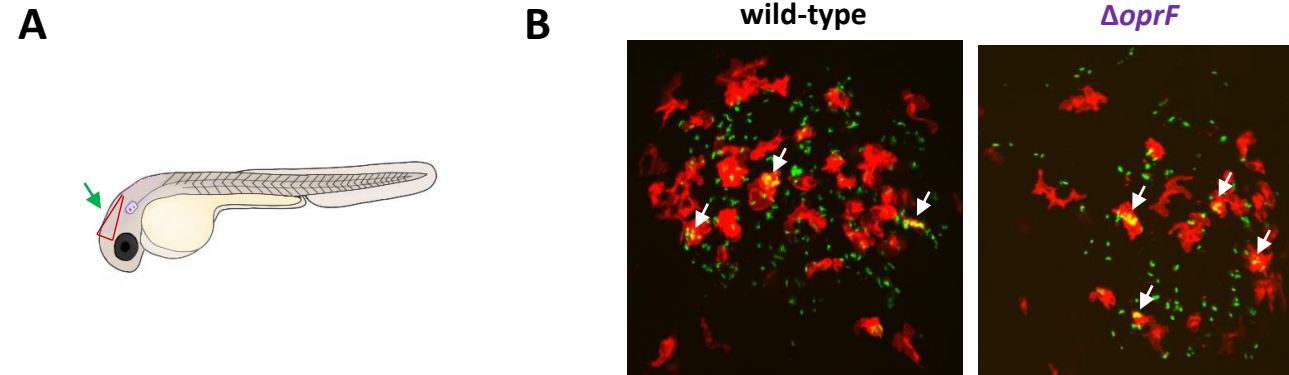
Malika Moussouni¹, Laurence Berry^{1\$}, Tamara Sipka^{1\$}, Mai Nguyen-Chi¹ and Anne Blanc-Potard^{1*}

Supplementary Figure 1



Quantification of bacteria by CFU after intravenous injection. Quantification of Colony Forming Unit (CFU) at 20 hpi within larvae infected intravenously with the 3500 CFU of wild-type bacterial strain (WT) and *oprF* mutant (n = 12 for each strain). Statistical significance was determined by two-tailed Mann-Whitney's test, ***p<0.001. Outliers were determined using Grubbs' test (Graph Pad Prism 4.0 Software) and removed from the analysis (1 in each group).

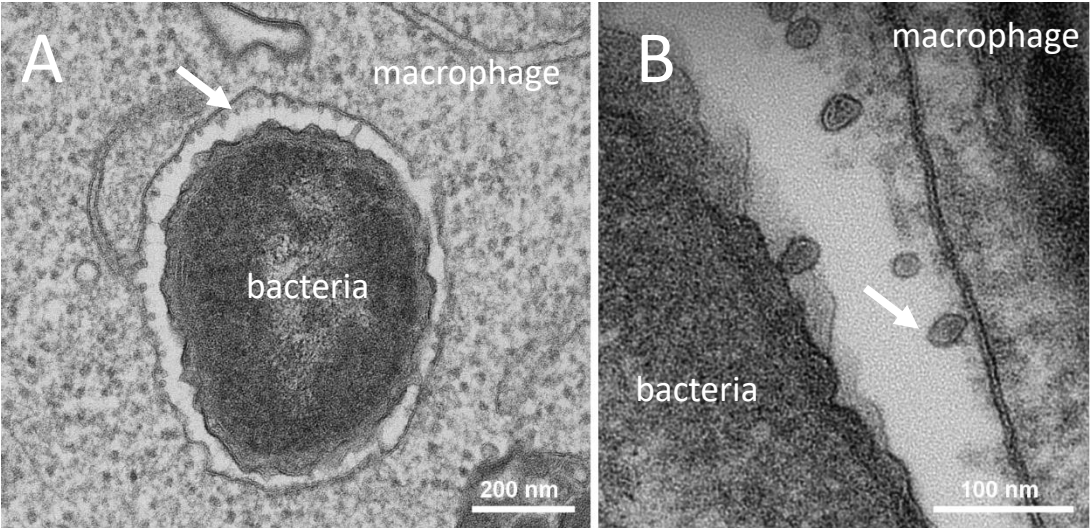
Supplementary Figure 2



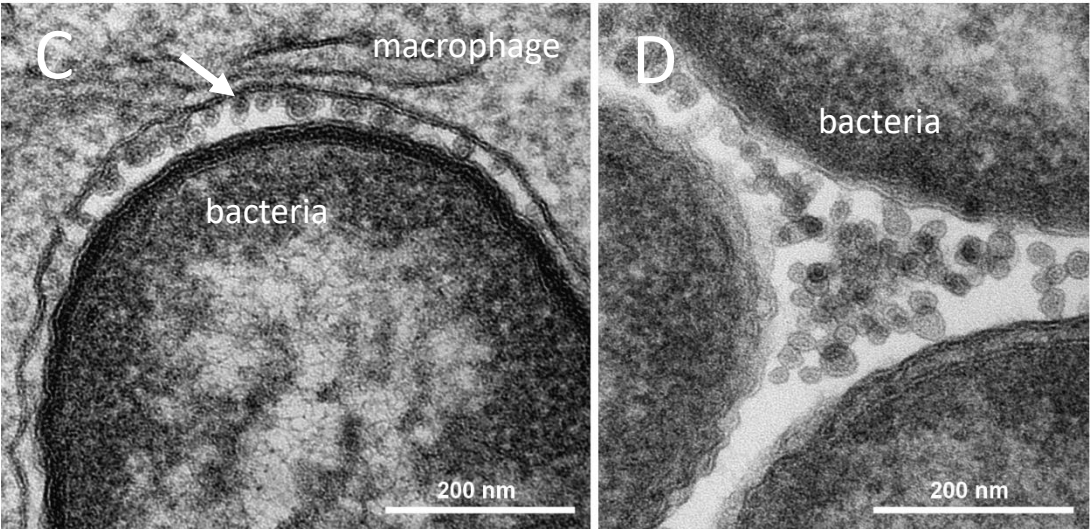
Visualization of phagocytosis of *P. aeruginosa* after local injection into hindbrain ventricle. (A) Illustration of zebrafish larva with the hindbrain ventricle (in red) injection site outlined in green. (B) The hindbrain ventricle is accessible to recruited myeloid cells and the phagocytosis of *P. aeruginosa* strains can be visualized using *tg(mfap4:mCherry)* embryos that harbor red macrophages. Hindbrain ventricle injection of wild-type or $\Delta oprF$ GFP-expressing *P. aeruginosa* was imaged at 2 hpi and white arrows depict phagocytosed bacteria. Confocal microscopy was performed with maximum intensity projection of 64 sections every 1 μm , scale bar 30 μm .

Supplementary Figure 3

Wild-type

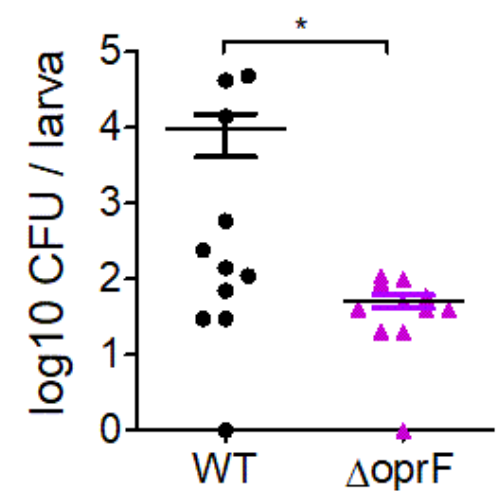


ΔoprF



Visualization of bacterial vesicles in infected phagosomes. TEM analysis denoted the presence of vesicles issued from bacteria in PAO1 WT (A-B) and *ΔoprF* strain (C-D). These vesicles appeared often stuck to the vacuole membrane (white arrows).

Supplementary Figure 4



Quantification of bacteria by CFU after HBV injection. Quantification of Colony Forming Unit (CFU) at 20 hpi within larvae injected in HBV with 2100 CFUs of wild-type bacterial strain (WT) and *oprF* mutant (n = 12 for each strain). Statistical significance was determined by two-tailed Mann-Whitney’s test, *p<0.05. Outliers were determined using Grubbs' test (Graph Pad Prism 4.0 Software) and removed from the analysis (1 in each group).