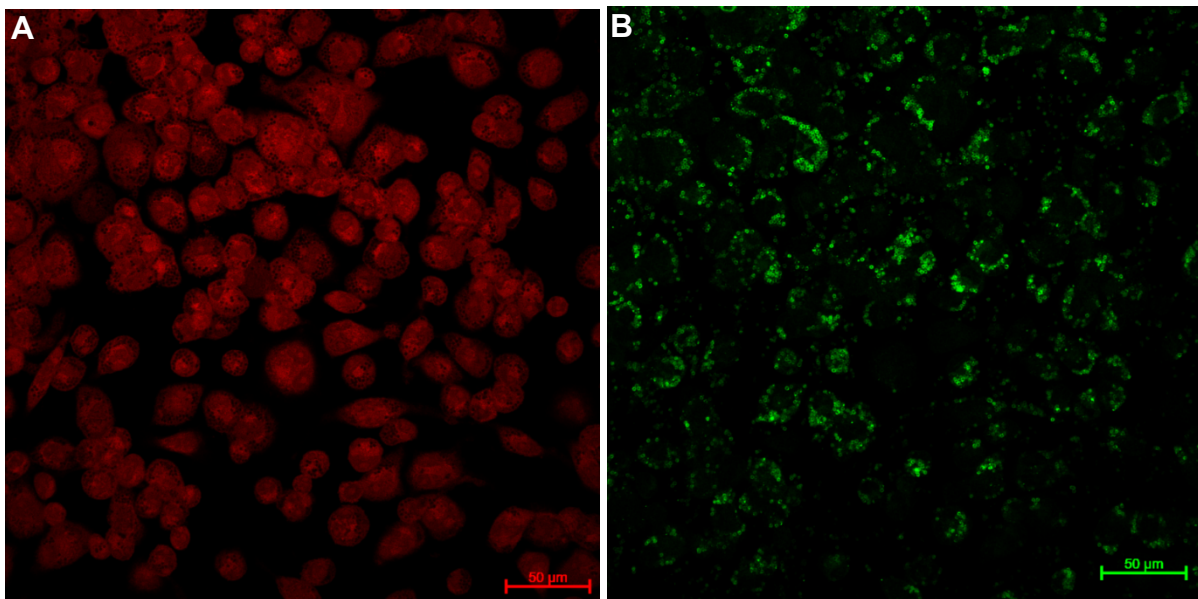
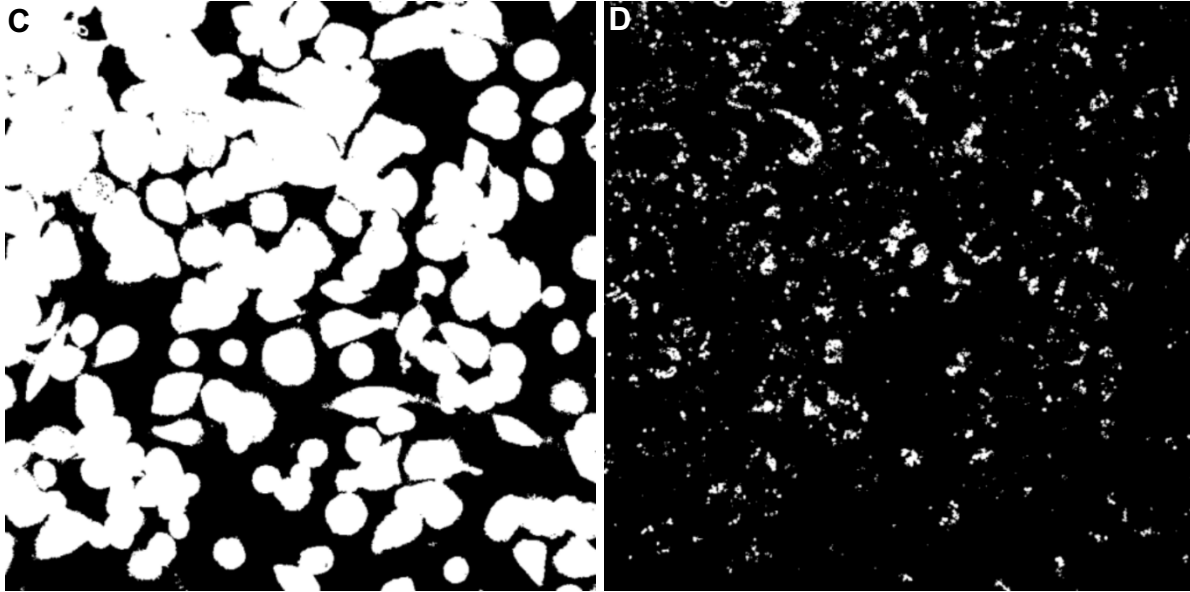


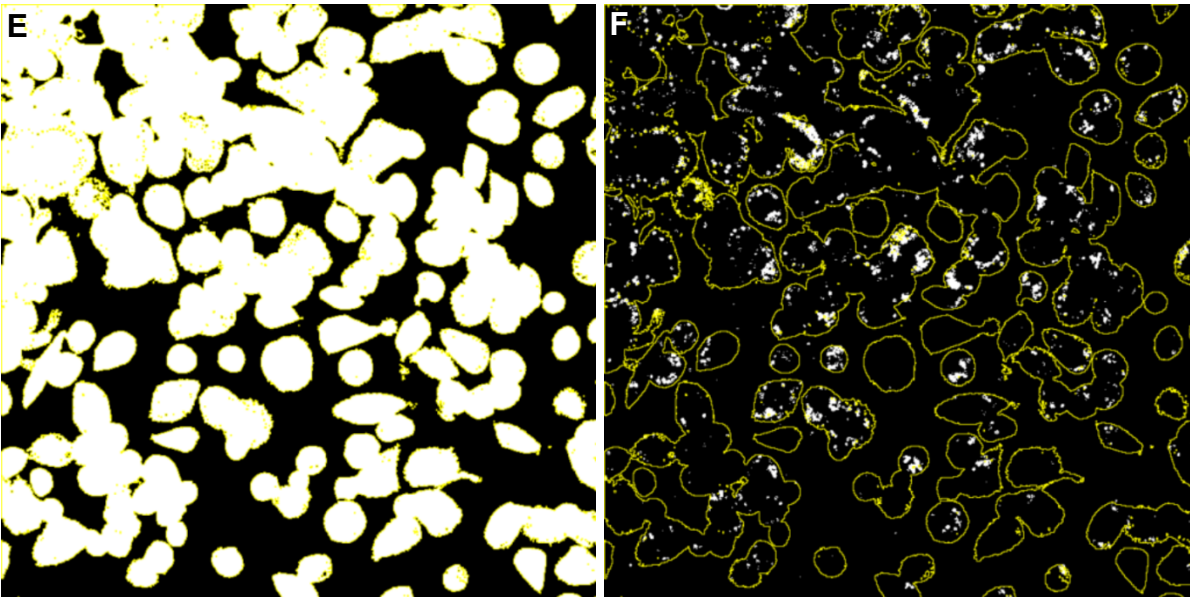
**S1 Method. Image analysis using Fiji (ImageJ) Software.** Quantification of beads engulfed by macrophages was processed by Fiji, an open-source image analysis software (Schindelin, 2012). In brief, confocal images (6 slices of Z-stack images per treatment condition) of whole cell area stain (CP stain) (**Fig A**) and FITC labeled silica beads (**Fig B**) were analyzed for quantification. From Fiji, singular threshold values were chosen for each image to reveal only the whole cell area (**Fig C**) or the FITC beads area (**Fig D**). Threshold cell area was selected (**Fig E**) and quantified using the measurement tool within Fiji. The selected threshold cell area was then set as the "cell area mask" that was applied to the threshold bead area image (**Fig F**). This allowed for quantification of the bead area that was only contained within the cell, leaving out any stray, unengulfed beads that remained in the image wells after washing steps. The bead area was then quantified using the pixel area measurement tool. The two measurements were then used to calculate an engulfment score using **Eq. 1**.



Representative confocal images of bead engulfment. **(A)** CP cell stain **(B)** FITC bead fluorescence.



Threshold values set for both channels using ImageJ. **(C)** Cell stain by CP dye. **(D)** FITC bead fluorescence.

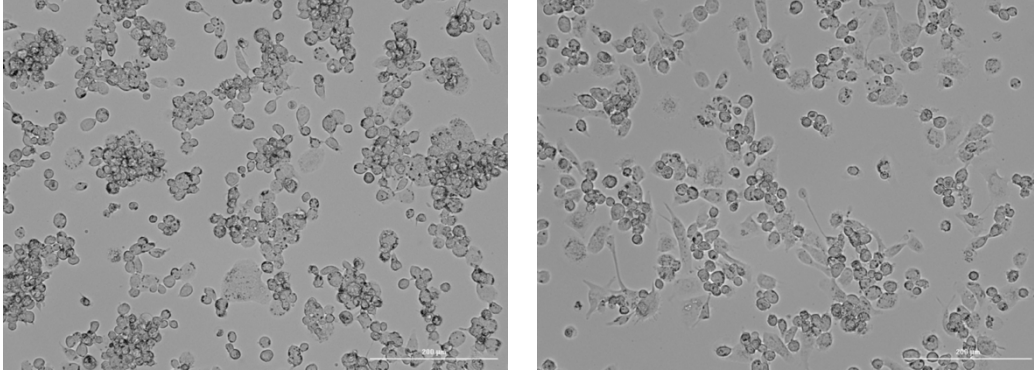


Selection of cell stain (CP dye) threshold file was made, and a measurement obtained. **(E)** Example measurement of pixels of CP stain. 70580.178 pixels measured in this example. **(F)** Once the cell stain pixel measurement is obtained, the cell stain selection was then transferred to the FITC channel to define the outline of individual cells. This border definition confines only the bead area within the cell, excluding any non-engulfed beads. In this example the beads channel showed 2121.192 pixels. The engulfment value of this example is therefore 3.005, calculated by the following equation:

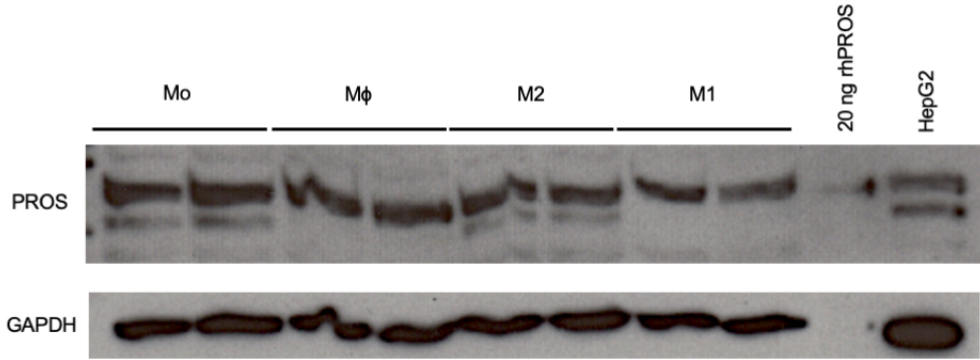
$$\text{Eq 1: Engulfment Value} = \frac{\text{Bead Area}}{\text{Cell Area}} \times 100$$

$$\text{Example: } \frac{2121.192}{70580.178} \times 100 = 3.005$$

**S1 Figure. Bright field images of THP-1 derived M1 and M2 macrophages.** M $\phi$  cells were polarized into either the M1 and M2 macrophage cell types using IFN $\gamma$ /LPS or IL4/IL13, respectively. Images were produced using Brightfield microscopy. M1 (Left), M2 (Right). Scale bar, 200  $\mu$ m.

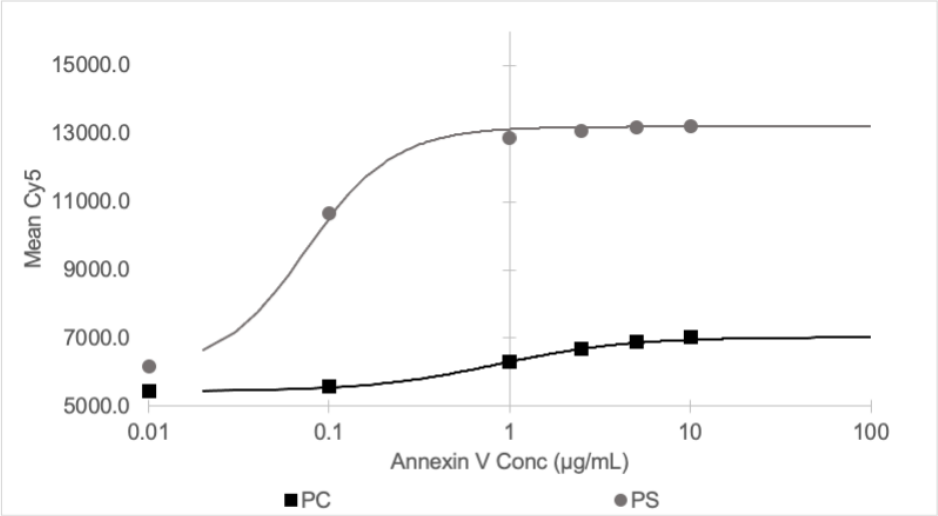


**S2 Figure. Minimal PROS expression in the THP-1 monocytes and derived macrophages.** THP-1 cells were differentiated using varied treatment conditions and were analyzed using western blot analysis. Recombinant Human PROS (20 ng) was used as a positive control.





**S4 Figure. Annexin V saturation of PS-beads.** PS-beads were incubated with varying concentrations [0, 0.5, 0.736, 2.5, 5  $\mu\text{g}/\text{mL}$ ] of Annexin V-647 to visualize and quantify saturation of phosphatidylserine. Phosphatidylserine saturation was quantified by measuring the Annexin V-647 fluorescent intensity of each image.



**S1 Table. Primary and Secondary antibodies used in the study.**

<b>Antibodies</b>	<b>Company</b>	<b>Cat#</b>
Axl (C89E7) Rabbit mAb	Cell Signaling Technology	8661
CD11b/ITGAM (D6X1N) Rabbit mAb	Cell Signaling Technology	49420
CD14 (D7A2T) Rabbit mAb	Cell Signaling Technology	56082
Cleaved PARP (Asp214) (D64E10) XP Rabbit mAb	Cell Signaling Technology	5625
HA-Tag (C29F4) Rabbit mAb	Cell Signaling Technology	3724
MRC1/CD206 (C-10) Mouse mAb	Santa Cruz Biotechnology	sc-376232
GAPDH (14C10) Rabbit mAb	Cell Signaling Technology	2118
Gas6 (D3A3G) Rabbit mAb	Cell Signaling Technology	67202
Mer (D21F11) XP® Rabbit mAb	Cell Signaling Technology	4319
Protein S (F-10) Mouse mAb	Santa Cruz Biotechnology	sc-271326
Tyro3 (D38C6) Rabbit mAb	Cell Signaling Technology	5585
Pierce Goat Anti-Rabbit IgG, (H+L) Peroxidase Conjugated	ThermoScientific	31460
Pierce Goat Mouse IgG, (H+L) Peroxidase Conjugated	ThermoScientific	31430

**S2 Table. Summary of AXL, MER, and GAS6 expression within the THP-1 macrophage cell-types.**

	<b>Mo</b>	<b>M<math>\phi</math></b>	<b>M2</b>	<b>M1</b>
<b>AXL</b>	Hi	Low	Low	+
<b>MERTK</b>	-	+	Hi	Low
<b>GAS6</b>	Hi	Low	Hi	Low



## References

1. Schindelin, J, Arganda-Carreras, I, Frise, E et al. Fiji: an open-source platform for biological-image analysis. *Nature Methods*. 2012; 9(7): 676-682.