



**Supplementary Figure S1.** mRNA expression levels of PGR, PGRMC1 and PAQR7 in HMC3 cells. HMC3 cells were plated at a density of 110,000 cells/well in 24-well plates and cultured for 24 hours. After harvesting, total RNA was obtained as described in the Methods section. Real-time PCR was used to evaluate the expression of three different P4 receptors: PGR, PGRMC1 and PAQR7. The relative mRNA levels were calculated using  $\beta$ -actin as a housekeeping gene. Results are the mean  $\pm$  SEM (n=3 biological replicates, with a total of 12 technical replicates per condition; Tukey's t-test).

**Supplementary Material S1.** Complete custom analysis pipeline created and used for the quantification of phagocytes beads.

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Filter in Cell\_shape

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