

Supplementary Information

Table S1. Verification of erythrocyte phagocytosis by THP1-cells. **(A)** shows z-stacks of a preparation of THP-1 cells, which has been subjected to ionomycin-treated erythrocytes for 60 min. The green colour shows the fluorescence of a FITC-conjugated secondary antibody labelling anti-haemoglobin. The starting point for the z-stack is set to the centre of the erythrocyte in 0.2 μm steps in each direction. The pictures are obtained by the structural illumination function of the iMIC stage; **(B)** shows the corresponding DIC images of the preparation starting from the exact same start plane. The picture on the far is a merged side-view of fluorescence and DIC is shown; **(C)** shows representative picture of the increase in THP-1 cell fluorescence after exposure to ionomycin-treated fluo 4 loaded THP-1 cells; **(D)** shows the corresponding differential count of THP-1 cells graded either fluorescent positive or negative (mean \pm SEM, $n = 4-5$) the asterisks indicate statistical significant reduction in fluorescence negative cells and increase in fluorescence positive cells by application of HlyA; **(E)** displays the increment in fluo-4 fluorescence by addition of extracellular ATP of when THP-1 cells loaded with fluo 4-AM. Each of the traces represent the average intensity over time for a region of interest placed over one cell. The bar graph shows the summation of the amplitude of the ATP-induced fluorescence increment; **(F)** shows the increment in fluorescence of THP1 cells when the cells are exposed to extracellular ATP. Here the THP1 cell-fluorescence stems from fluo 4-AM loaded erythrocytes, and illustrates that the fluorescence observed in the THP1 cells actually is the very same fluorescence probe that the erythrocytes were loaded with ($n = 3$). Each of the traces represents the average intensity over time for a region of interest placed over one cell.

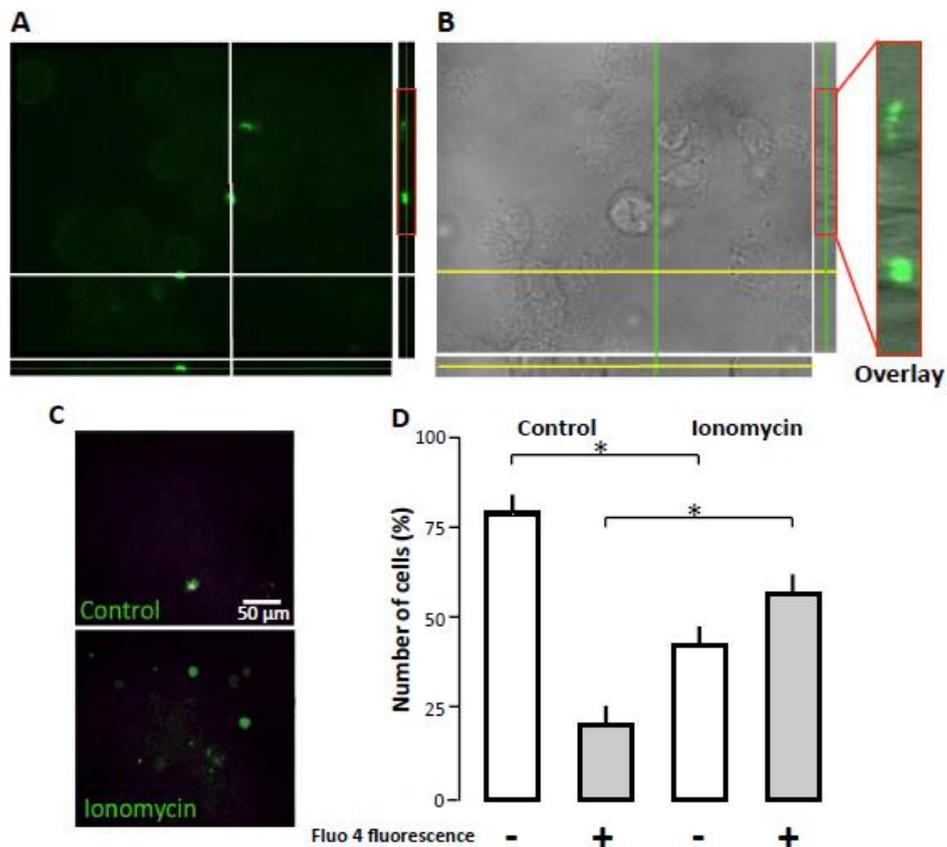


Figure S1. Cont.

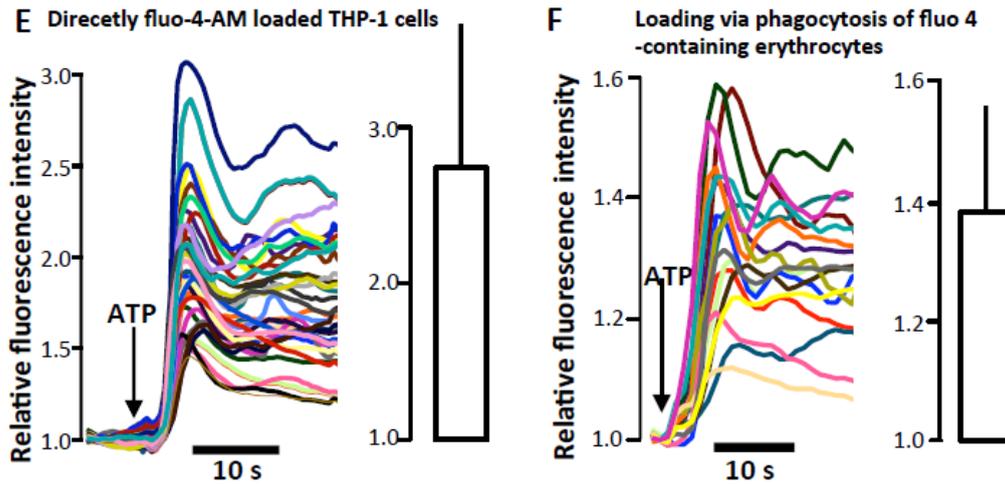


Figure S2. Phagocytosis of lipid-coated beads by THP-1 cells. (A) shows representative pictures of THP-1 cells exposed to either phosphatidylserine (PS) or phosphatidylcholine (PC) coated beads. Calcein loaded THP-1 cells were exposed to the beads for 60 min at 37 °C; (B) summarize the data. Number of beads counted in Image J (PC = 47 cells, PS = 53, collected over 5 experimental days p -value below 0.05).

