



- Fluid inlet
- Fluid outlet
- Chamber with LPS
- Direction of flow

Supplemental figure 4. To perform the time course experiments, cells were driven into the chip by positive pressure from a port at the top of the chip (red circle) to the bottom (filled black circle), populating all 4 chambers. (A). Each chamber can be fluidically isolated and incubated with media containing LPS (B-E) for predetermined amount of time. Cells in each chamber were then fixed by flowing in 1.5% paraformaldehyde in PBS for 10 min, and all subsequent steps in sample preparation was done by flowing reagents from top left port to bottom right port as shown in A.