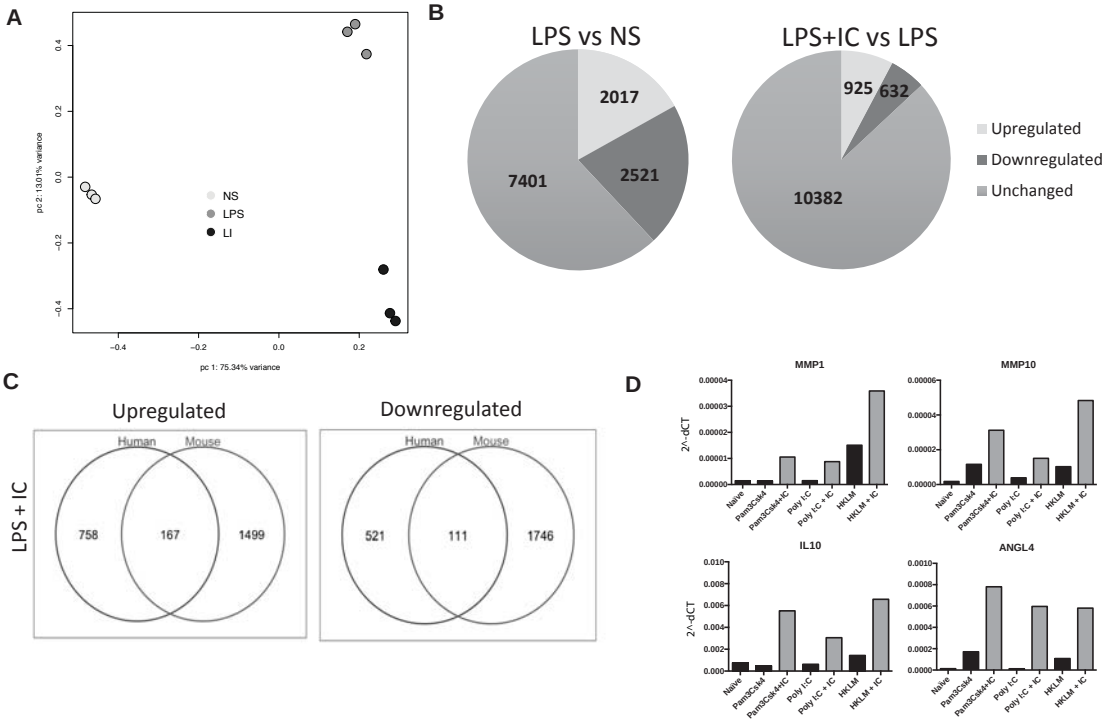
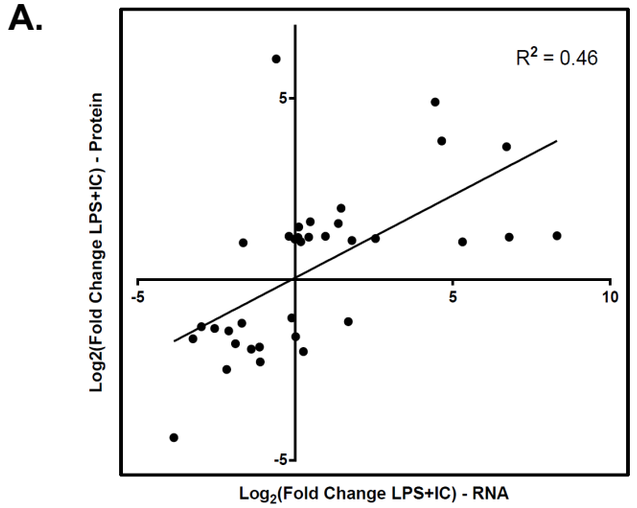
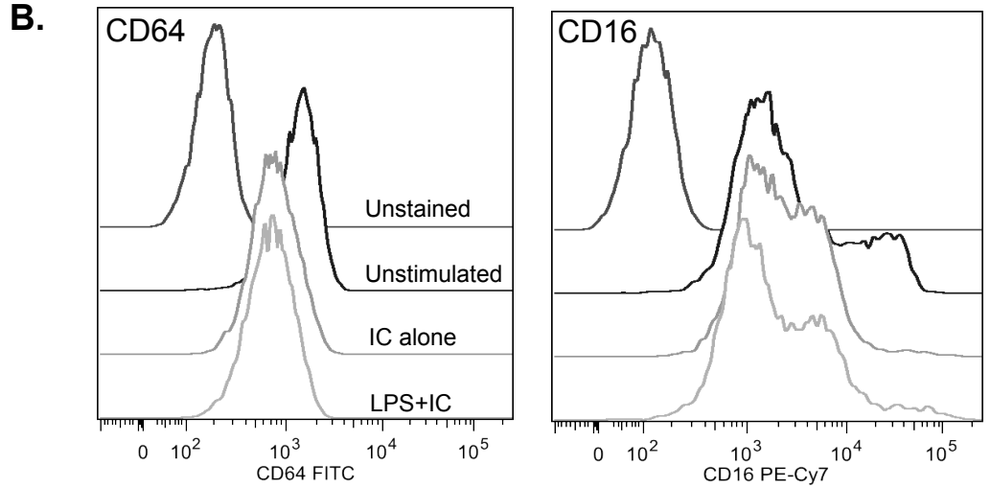
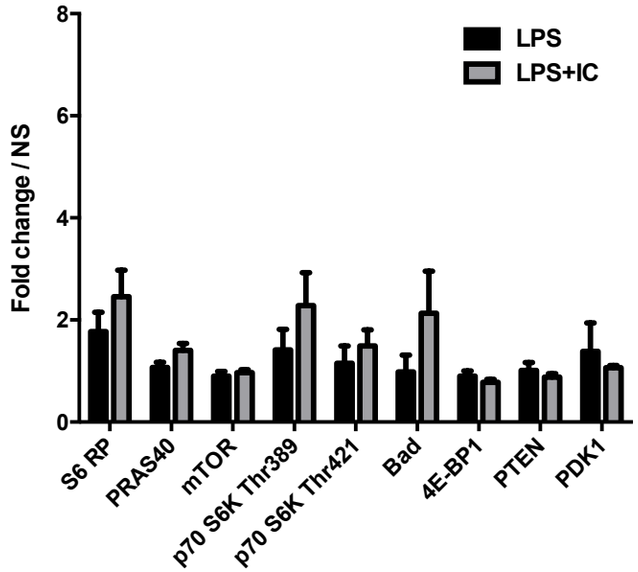
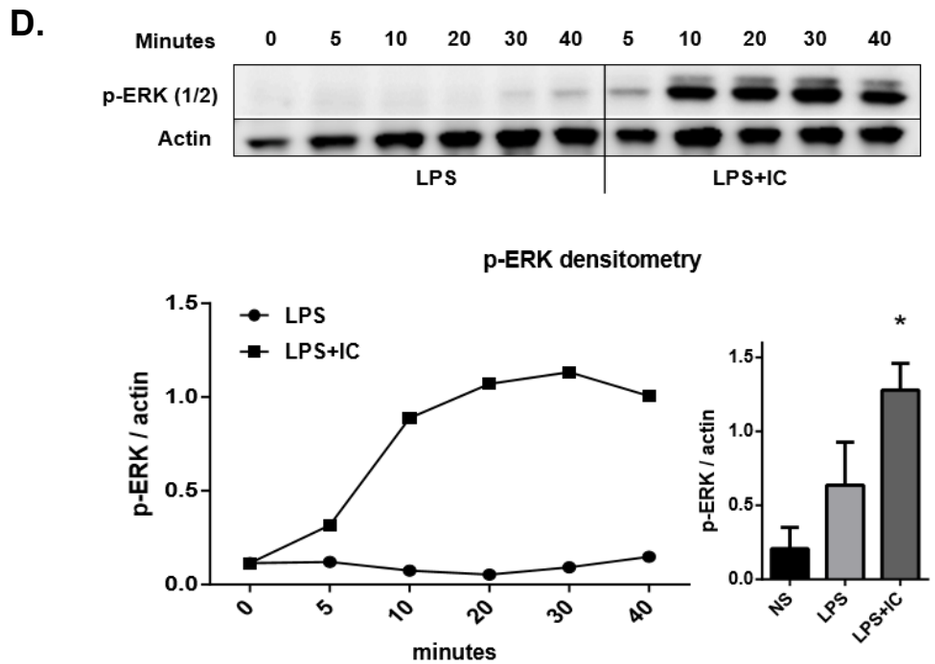


Supplemental Figure 1. RNA-sequencing results for stimulated human macrophages. Human monocyte-derived macrophages purchased from HemaCare were stimulated with LPS (LPS) or LPS with soluble immune complexes (LI) for 4 hours and total mRNA was isolated and sequenced on an Illumina platform. **(A)** Principal component analysis shows variance among samples and sample groups. **(B)** Pie charts illustrate differential expression in LPS-MΦ vs NS-MΦ and R-MΦ vs LPS-MΦ, as a percentage of total detectable genes in the transcriptome. **(C)** A comparison between orthologous human and mouse macrophage transcripts (BiomaRt), showing differential gene expression in response to stimulation with LPS+IC. **(D)** RT-PCR to measure transcript levels 4 hours after stimulation of human macrophages with TLR ligands in the presence or absence of particulate IC consisting of IgG-coated latex beads from (n=3) individual donors.

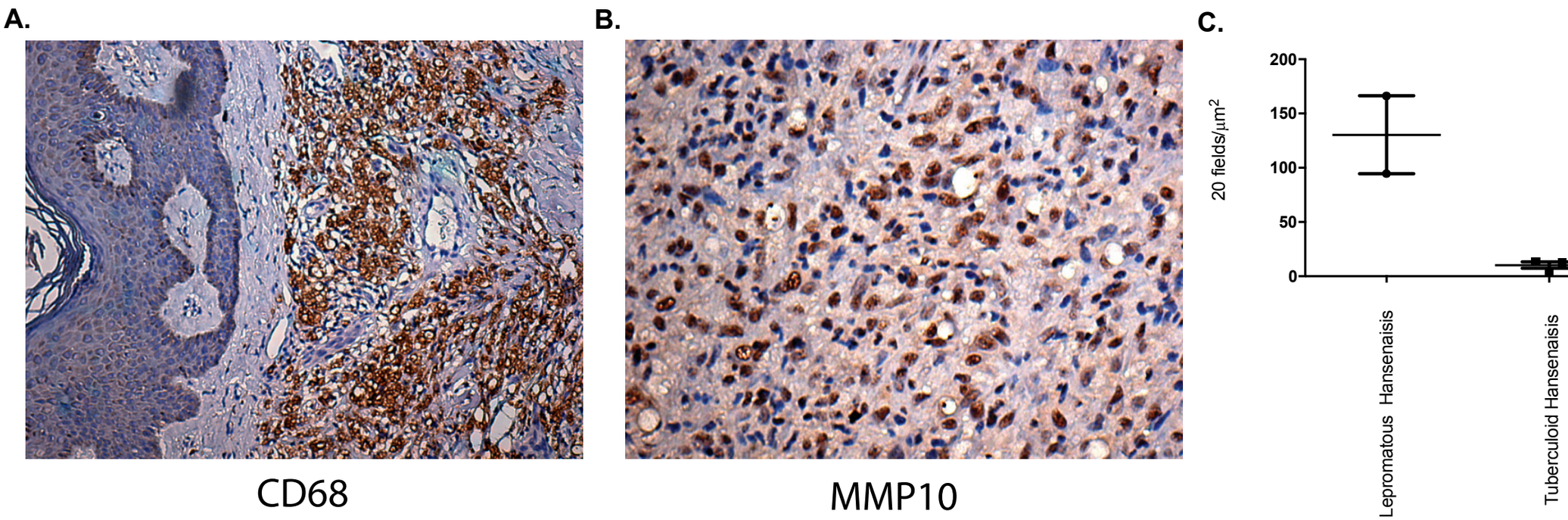








Supplemental Figure 2. Protein expression and signaling in R-MΦ. **(A)** Spearman correlation was performed to compare the log transformed fold changes of the SomaScan markers and their corresponding transcripts from the RNA-seq analysis. **(B)** Flow cytometry was performed to examine the expression of FCγ receptors, CD64 and CD16, following a 4 hour stimulation with IgG-coated latex beads (IC alone) or LPS+IgG-coated latex beads (LPS+IC).**(C)** Densitometric quantitation of antibody array data showing a variety of kinases not affected by the addition of IC to LPS-stimulated macrophages. **(D)** Western blot was used to confirm membrane array results of ERK signaling, showing phosphorylation within the first 40 minutes after stimulation with LPS+IC but not LPS. The kinetics of pERK densitometry was calculated using Image J software. Means of pERK from 3 pooled donors at 30 minutes is represented as the ratio over loading control Error bars represent SEM.



Supplemental Figure 3. Immunohistochemistry of macrophages in leprometous leprosy (Hanseniasis). Biopsies from patients with lepromatous leprosy were stained for **(A)** CD68 expression, and **(B)** MMP10 expression. **(C)** DC-STAMP expression was quantified from immunohistochemistry of lepromatous and tuberculoid Hanseniasis samples. Multiple random fields from (n=2) individuals for lepromatous Hanseniasis and (n=3) individuals for tuberculoid Hanseniasis.