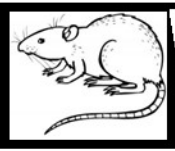
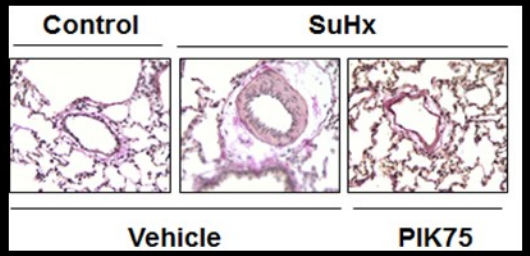
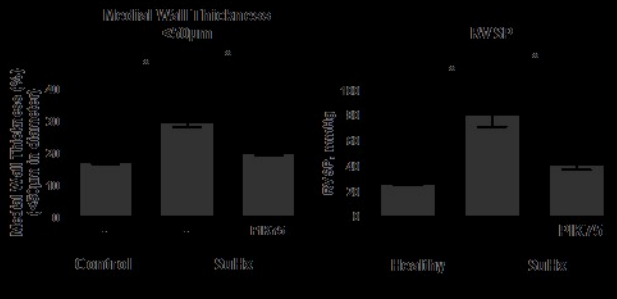

Day 0
Day 21
Day 35
SU5416 (20mg/kg)
PIK75 (50mg/kg i.p. once daily) or vehicle
Vehicle
Hypoxia
Normoxia

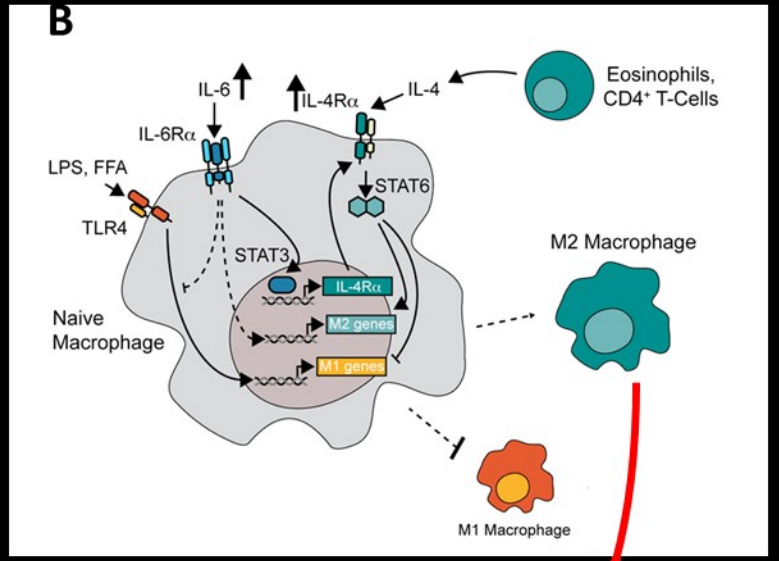


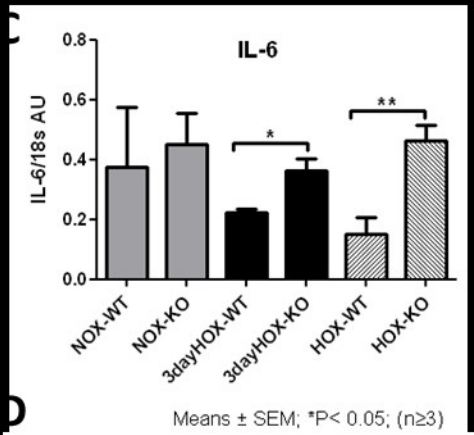


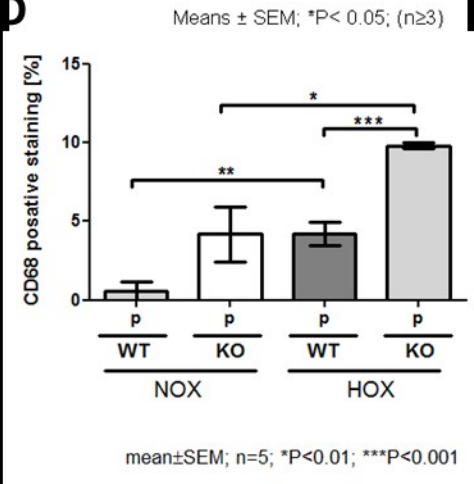

PIK57


Control
SuHx
Vehicle
PIK75


Medial Wall Thickness <90µm
RVSP
Control
SuHx
Healthy
SuHx


B
IL-6
IL-4Rα
IL-4
Eosinophils, CD4+ T-Cells
IL-6Rα
LPS, FFA
TLR4
STAT6
STAT3
IL-4Rα
M2 genes
M1 genes
Naive Macrophage
M2 Macrophage
M1 Macrophage


C
IL-6
IL-6/18s AU
0.8
0.6
0.4
0.2
0.0
*
**
NOX-WT
NOX-KO
3dayHOX-WT
3dayHOX-KO
HOX-WT
HOX-KO
Means ± SEM; *P< 0.05; (n≥3)


D
CD68 posative staining [%]
15
10
5
0
*
***
**
p
WT
KO
NOX
HOX
mean±SEM; n=5; *P<0.01; ***P<0.001