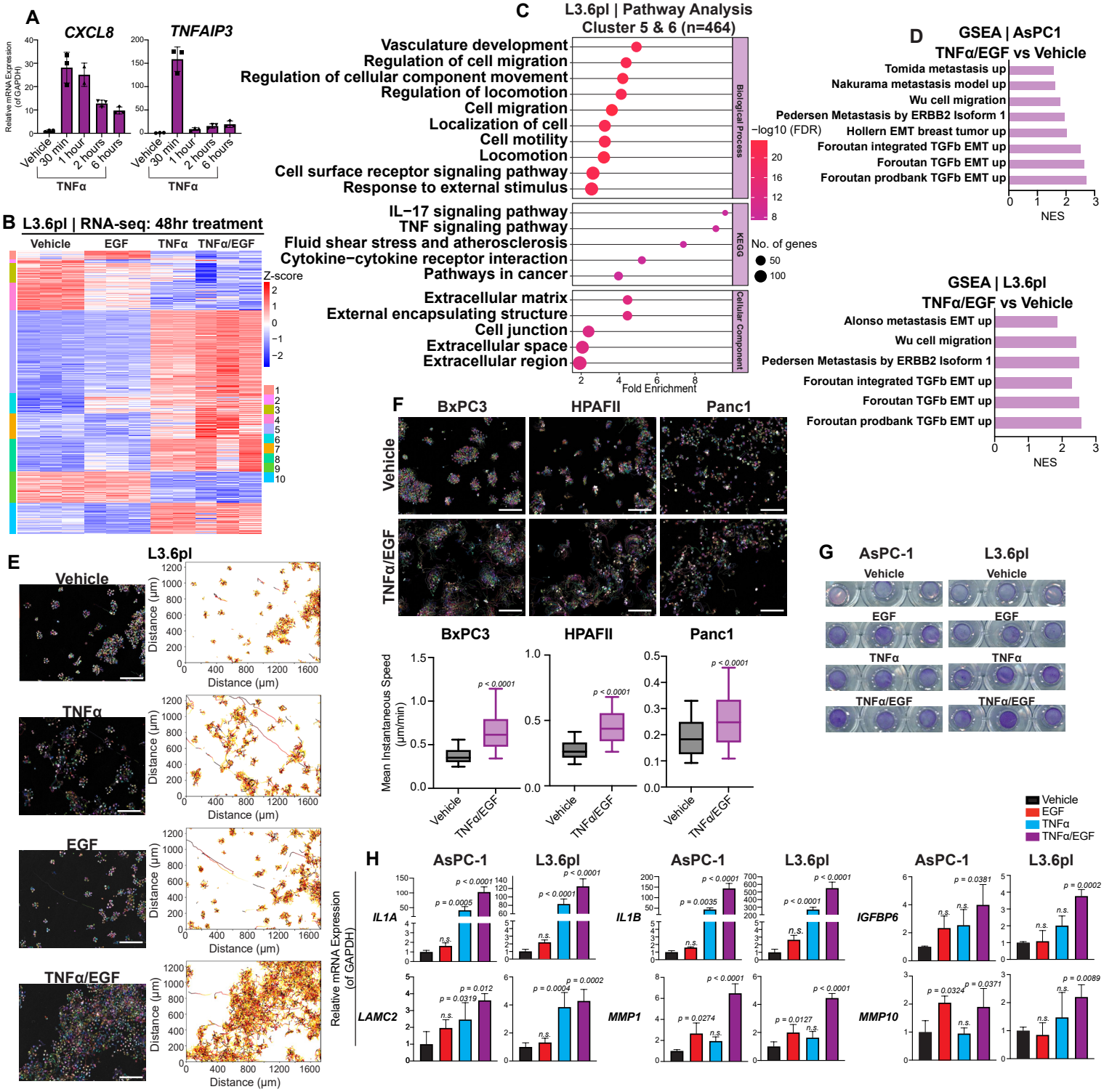

A
CXCL8
TNFAIP3
Relative mRNA Expression (of GAPDH)
Vehicle
30 min
1 hour
2 hours
6 hours
TNFα
B L3.6pl | RNA-seq: 48hr treatment
Vehicle
EGF
TNFα
TNFα/EGF
Z-score
C L3.6pl | Pathway Analysis
Cluster 5 & 6 (n=464)
Vasculature development
Regulation of cell migration
Regulation of cellular component movement
Regulation of locomotion
Cell migration
Localization of cell
Cell motility
Locomotion
Cell surface receptor signaling pathway
Response to external stimulus
Biological Process
IL−17 signaling pathway
TNF signaling pathway
Fluid shear stress and atherosclerosis
Cytokine−cytokine receptor interaction
Pathways in cancer
KEGG
Extracellular matrix
External encapsulating structure
Cell junction
Extracellular space
Extracellular region
Cellular Component
−log10 (FDR)
No. of genes
Fold Enrichment
D GSEA | AsPC1
TNFα/EGF vs Vehicle
Tomida metastasis up
Nakurama metastasis model up
Wu cell migration
Pedersen Metastasis by ERBB2 Isoform 1
Hollern EMT breast tumor up
Foroutan integrated TGFb EMT up
Foroutan TGFb EMT up
Foroutan prodbank TGFb EMT up
NES
GSEA | L3.6pl
TNFα/EGF vs Vehicle
Alonso metastasis EMT up
Wu cell migration
Pedersen Metastasis by ERBB2 Isoform 1
Foroutan integrated TGFb EMT up
Foroutan TGFb EMT up
Foroutan prodbank TGFb EMT up
NES
E L3.6pl
Vehicle
TNFα
EGF
TNFα/EGF
Distance (μm)
F BxPC3
HPAFII
Panc1
Vehicle
TNFα/EGF
Mean Instantaneous Speed (μm/min)
p < 0.0001
G AsPC-1
L3.6pl
Vehicle
EGF
TNFα
TNFα/EGF
H AsPC-1
L3.6pl
IL1A
IL1B
IGFBP6
LAMC2
MMP1
MMP10
Relative mRNA Expression (of GAPDH)
n.s.
p = 0.0005
p = 0.0035
p = 0.0381
p = 0.0002
p = 0.012
p = 0.0319
p = 0.0004
p = 0.0274
p = 0.0127
p = 0.0324
p = 0.0371
p = 0.0089