

Figure 1

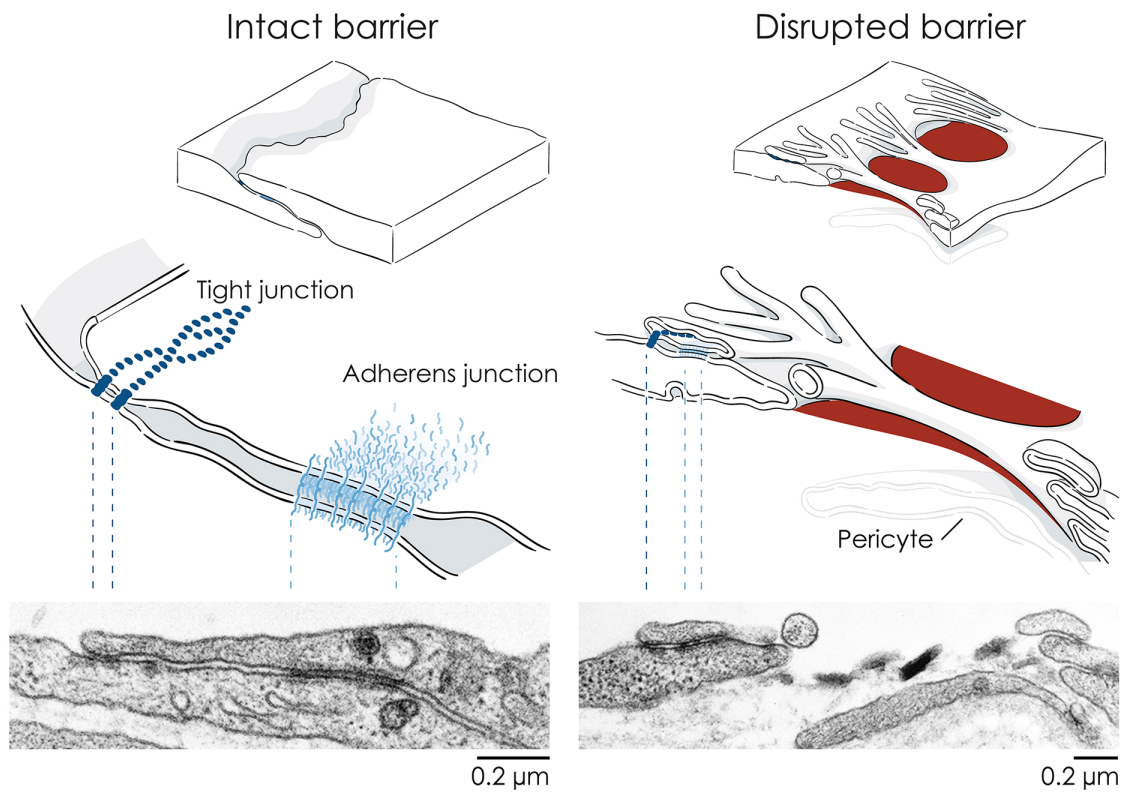
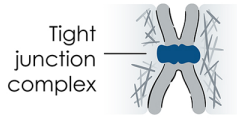


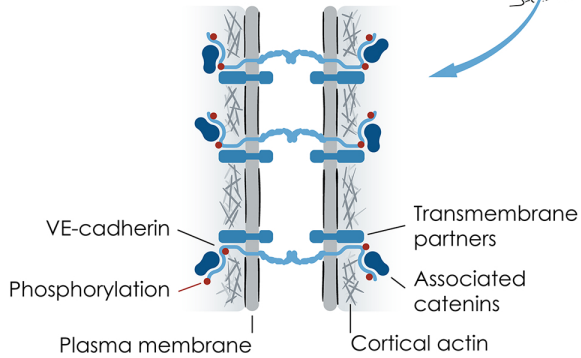
Figure 2

Barrier closure and stability

Tight junction

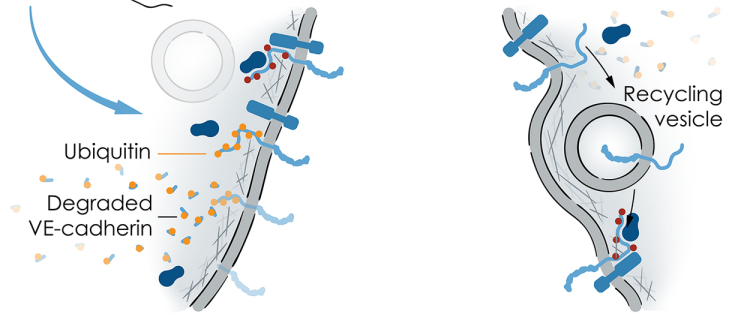


Adherens junction



Ligands	Receptors	Pathways
β 2-adrenergic agonists	β 2-adrenergic GPCR	cAMP
Angpt1	Tie2 RTK	Rho GTPases

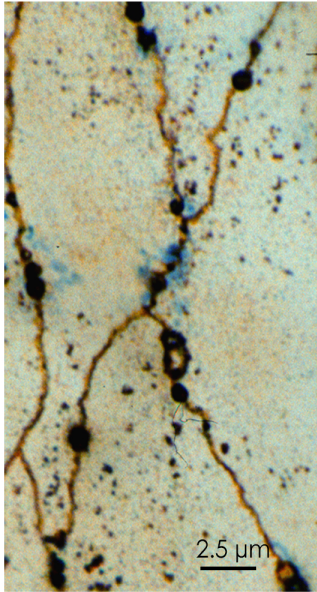
Barrier opening



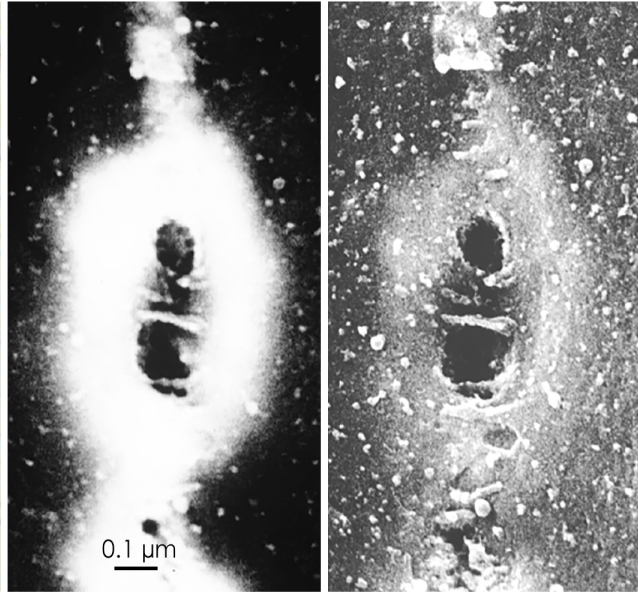
Ligands	Receptors	Pathways
Histamine	Histamine GPCR	Rho GTPases, NO
Bradykinin	Bradykinin GPCR	Rho GTPases, NO
VEGFA	VEGFR2 RTK	Rho GTPases, SFK, FAK, NO

Figure 3

A Gaps: silver stain
substance P 3 minutes



B Gaps: silver stain SEM backscattered (left) &
secondary electrons (right) substance P 1 minute



C Endothelial gaps between filopodia: SEM substance P 1 minute

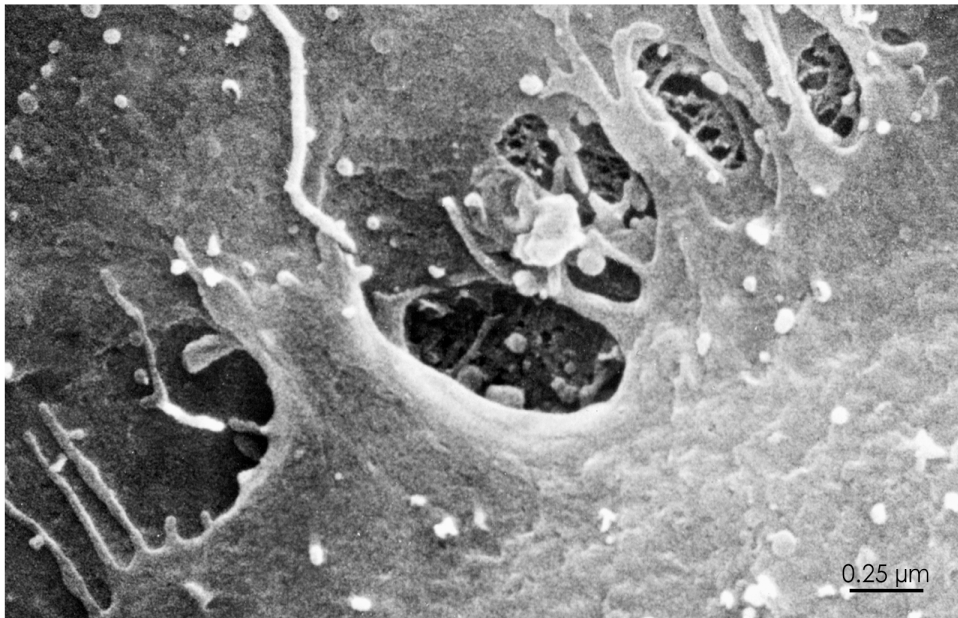


Figure 4

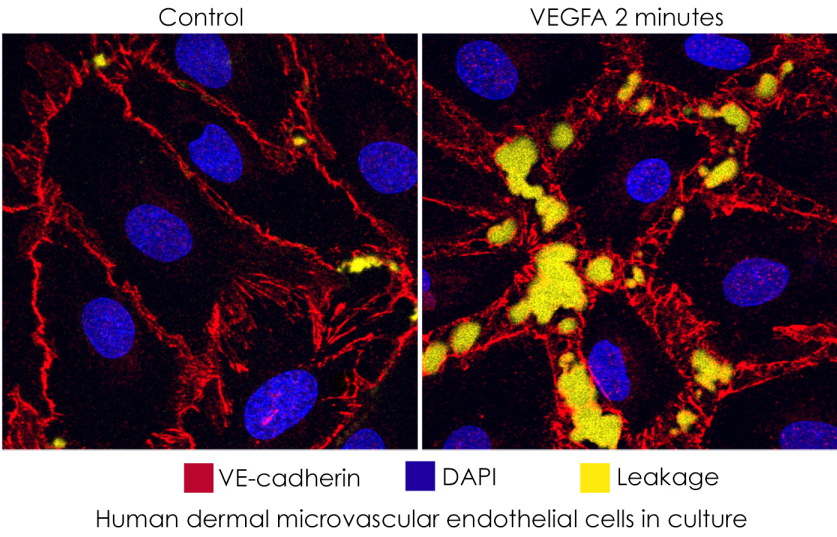


Figure 1 box 1