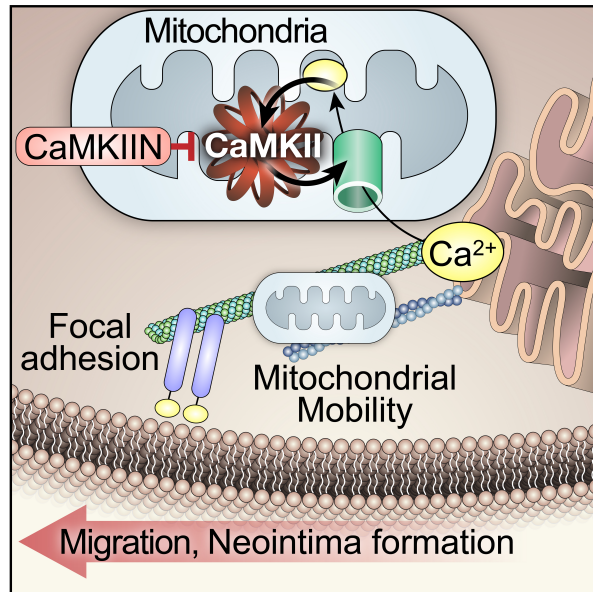


Graphical Abstract



Graphical Abstract. Mitochondrial CaMKII regulation of mitochondrial Ca²⁺, mobility, and VSMC migration. mtCaMKII regulates a feed-forwards circuit that promotes mitochondrial Ca²⁺ uptake. Inhibition of mtCaMKII leads to decreased mitochondrial Ca²⁺ uptake, leading to decreased Ca²⁺ clearance in the cytosol and mitochondrial arrest. This prevents mitochondria from translocating to focal adhesions, thus inhibiting VSMC migration and neointimal formation.