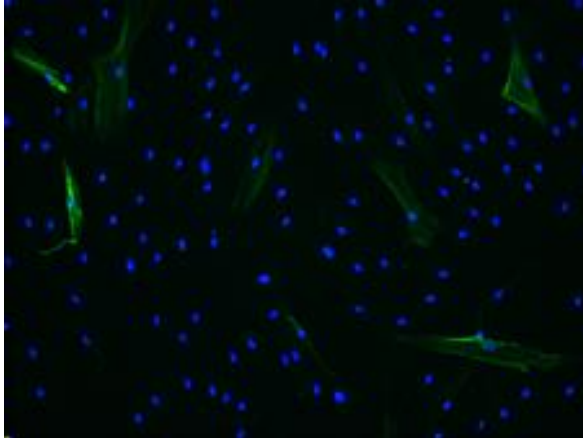


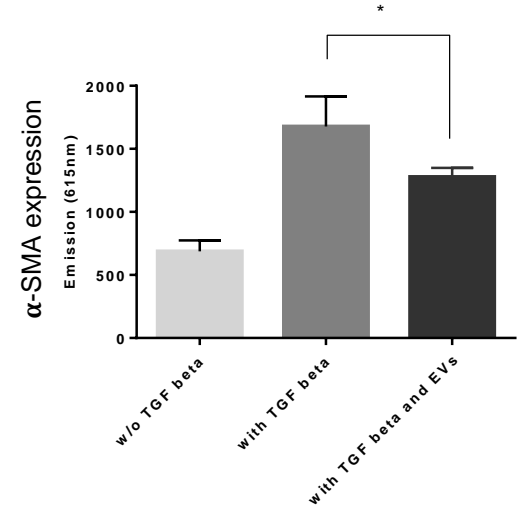
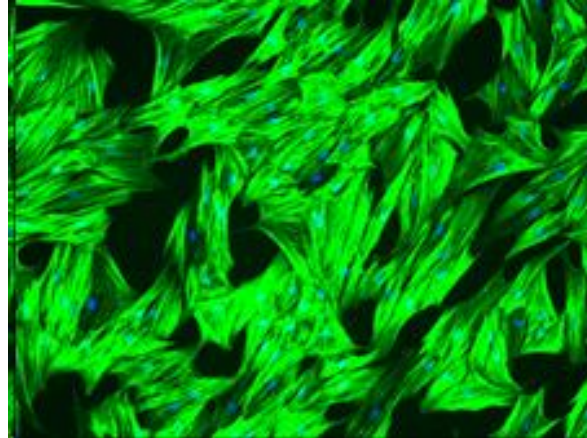
Extracellular vesicles from WJ-MSC/TERT273

Influence of EVs on myo-fibroblast differentiation

untreated control cells



TGF- β treated cells



Treatment of telomerized human dermal fibroblasts fHDF/TERT166 with transforming growth factor beta (TGF- β) induces expression of alpha smooth muscle actin (α -SMA).

Treatment of cells with TGF- β together with extracellular vesicles (EVs) from Wharton's Jelly derived mesenchymal stem cells (WJ-MSC/TERT273) reduces α -SMA expression significantly, demonstrating an effect of EVs on myofibroblast differentiation.