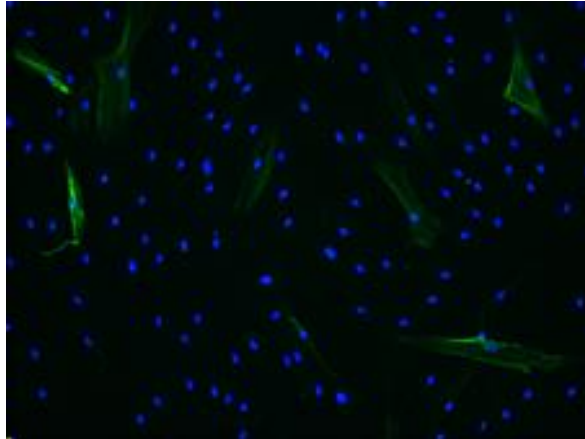


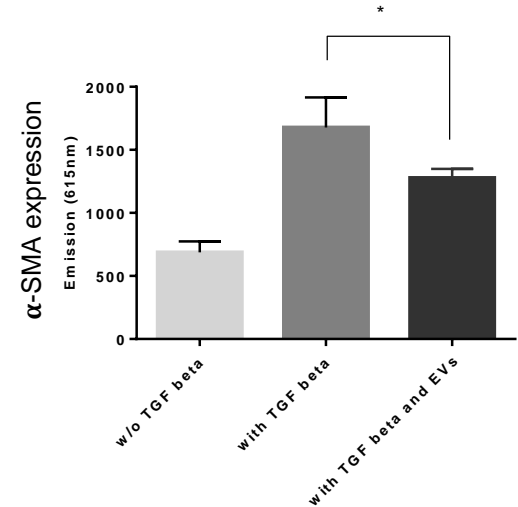
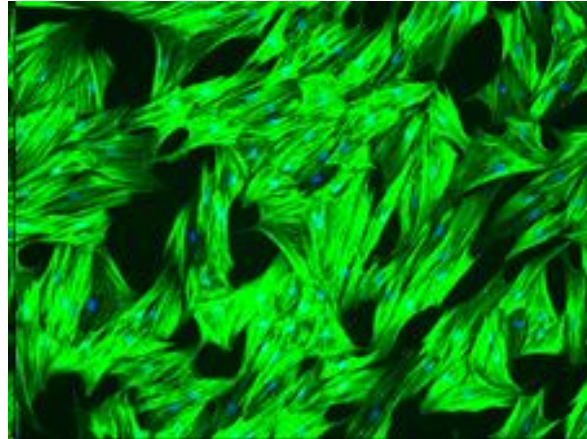
# fHDF/TERT166

## Myofibroblast differentiation

untreated control cells



TGF- $\beta$  treated cells



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

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