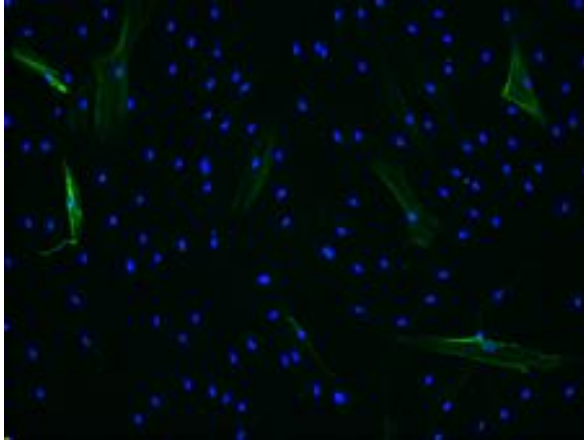


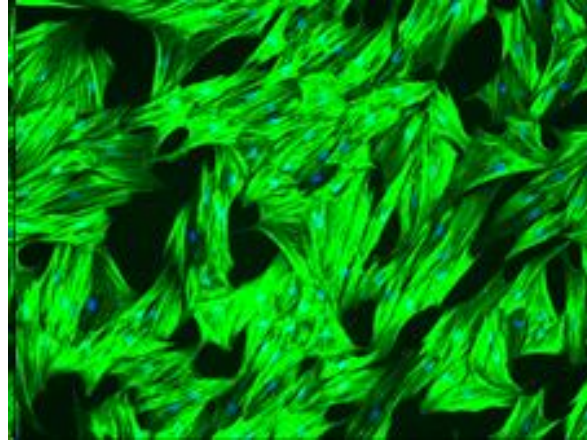
# Study of myofibroblast differentiation

## Effect of exogenous factors on $\alpha$ -SMA expression

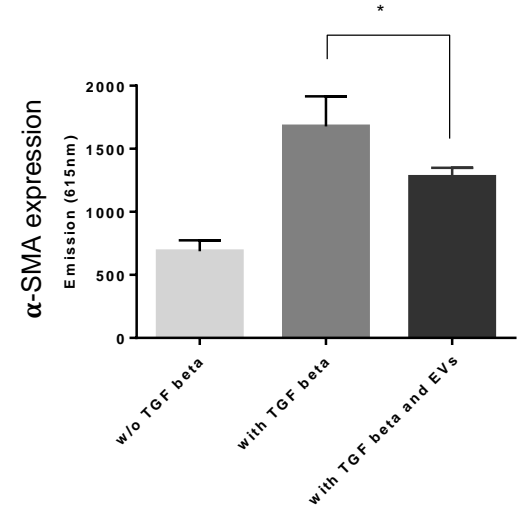
untreated control cells



TGF $\beta$  treated cells



treatment of telomerized human fibroblasts fHDF/TERT166 with transforming growth factor beta (TGF $\beta$ ) and induction of alpha smooth muscle actin ( $\alpha$ -SMA) expression (immunofluorescence staining, cell nuclei are counterstained with DAPI)



reduction of  $\alpha$ -SMA upon treatment with extracellular vesicles from MSCs (WJ-MSC/TERT273)