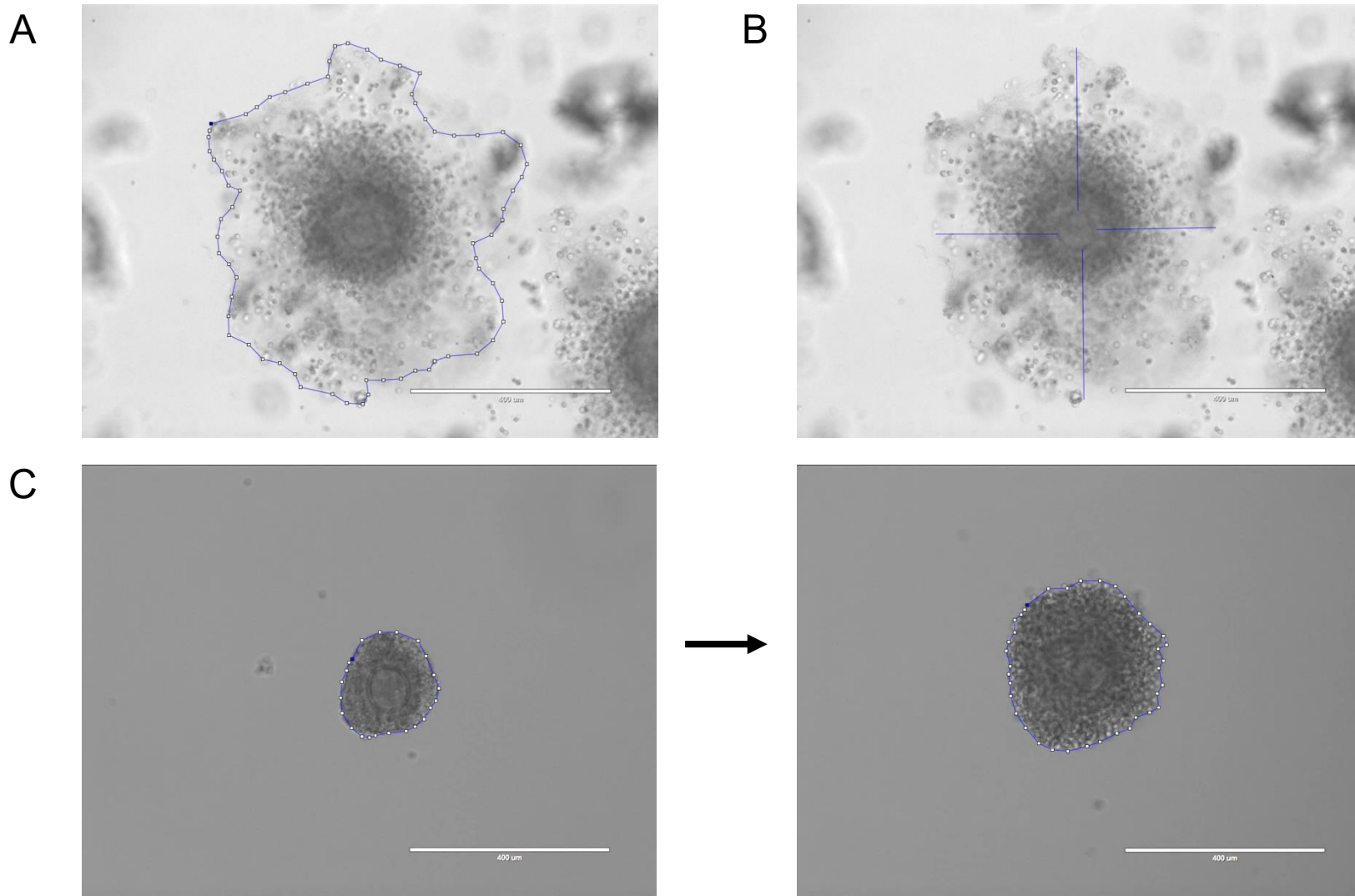




Supplementary Fig. 1 COC area and cumulus layer thickness measurements in *in vivo* and *in vitro* matured COCs. (A) Representative image of an *in vivo* matured COC. The blue dotted line indicates measurement of COC area (B) Representative image of cumulus layer thickness measurement in a COC after *in vivo* maturation. Blue lines indicate the 4 measurements taken per COC which are then averaged. (C) Left: representative image of a COC prior to in vitro maturation (IVM) with the area measured in same manner as in (A) and Right: representative image of the same COC post-IVM. Scale bars 400μm.