Supplementary figure 1. Effect of GSK-3β inhibitor on the levels of pro-inflammatory cytokines in GO and non-GO fibroblasts. The effect of CHIR 99021 on the release of proinflammatory cytokines was analyzed with ELISA in both GO (n=3) and non-GO cells (n=3). Orbital cells of GO patients and control patients were treated with DMSO, 10ng/ml IL-1β or TNF-α for 16 h), and either pretreatment with 10 μM CHIR 99021 for 48 h. Both GO and non-GO fibroblasts show heightened response to IL-1β and TNF-α as evidenced by increased levels of pro-inflammatory cytokines. The application of CHIR 99021 decreased the cytokine levels. Data in the columns indicate the mean level of cytokines ± SD from three independent experiments from different samples. A statistically significant difference among IL-1β- or TNF-α–treated cells between those with and those without CHIR 99021 pretreatment is indicated (*P < 0.05).