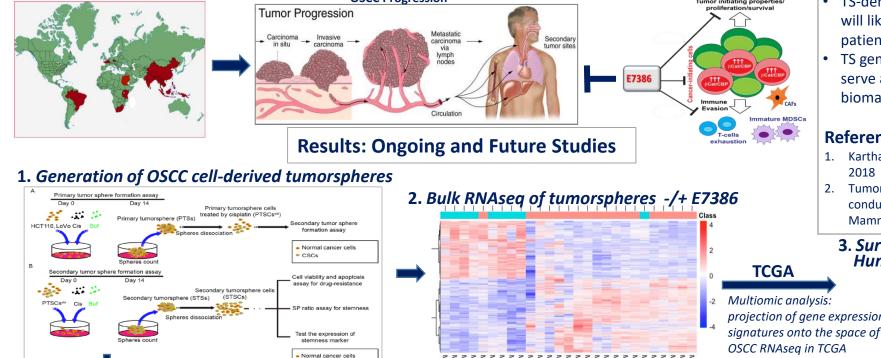


media, methyl cellulose and supplements. Cells were then trypsinized and filtered to ensure single cells and then counted to calculate volume needed for 20,000 cells to be distributed evenly among 4 wells. After 8 days the TS growth was examined and imaged with Celigo in Microscopy Core. Secondary TS were generated by passaging cells from dissociated primary spheres. Global multi-omics analyses: TSderived from CAL27 and HSC-3 OSCC cell lines will be analyzed for

Methods:

gene expression signatures by RNAseq before and after E7386 treatment. The sequencing data will be processed and QC-ed and differential gene expression signatures will be derived for each treatment and annotated by pathway enrichment analysis based on the MSigDB compendia and the Connectivity Map (CMap).



C

Primary CAL27 cell-

100 µm

derived tumospheres

tumorsphere formation assay in the presence of β-Catenin and CBP inhibitor E738

Day 14

Secondary tumorsphere (STSs)

Spheres dissociation

Survival Overall 3

Secondary tumorsphere cells

(STSCs)

Years