Model generation

PRECODE

Consent donors
- Assign IDs

Obtain tumor & * normal (blood, if not possible adjacent normal)
- Tumor for model generation
- Freeze & save aliquot of tumor & normal

Model Generation following SOPs

Expand for at least 5 consecutive passages looking for signs of normal contamination

At passages 5-6, collect cells for DNA isolation and freeze down at least 2 cryovials.

*absence of parental tumor tissue only permitted when biopsy is the starting material ; absence of germline DNA is permitted for a limited set of cases

Isolate DNA and perform sequencing for KRAS or other PaCa genes

Thaw cryovial and wait for recovery

YES → **Model recovers**

NO → **Model does not recover but sequencing says tumor. Potential for rescue? Changing thawing procedure**

tumor

YES → **Model proceeds along the pipeline (expansion and submission for omics)**

NO → **MODEL FAILS, END**

NO → **MODEL FAILS, END**

YES →

Prepare the nucleic acids according to the protocols in the SOP. Prepare pellets for proteomic analysis as described in the pellet preparation SOP.