MSK-SPECTRUM Tissue Collection Workflow Clinic Key: Occurs before surgery Occurs day of surgery Screen clinic Occurs after day of surgery Standard of Care Consent patient on study and collect pre-op blood in clinic Flow and IGO Surgery scheduled and technician appointment notified booked **OR** sample 6-8 fresh Single Cell Storage of unsorted **GYN Lab** tissue samples to collection Dissociation single cell suspensions technician Pathology Department Stored in GYN Lab 6-8 matched tissue samples Storage of sorted Flow Stored in to PPBC single cell GYN Lab Cytometry IMPACT suspensions Testing **PPBC** Flow DLP scRNA Cytometry **BCCRC** IGO DLP **GYN Lab** Formalin Frozen Tissue (FFPE) (-80c) Stored in Spotting/Library Molecular Cytology 10X cDNA and Store Sorted **BCCRC** IGO Biobank Prep Library Prep scs Stored in Spotting/Library **GYN** Lab IGO Sequencing Microdissection, Prep **DNA/RNA** extractions scRNA H&E mpIF, IHC, Sequencing IGO Sequencing generation slide generation **Pathology Bulk WGS** Department

Path Review (Soslow)