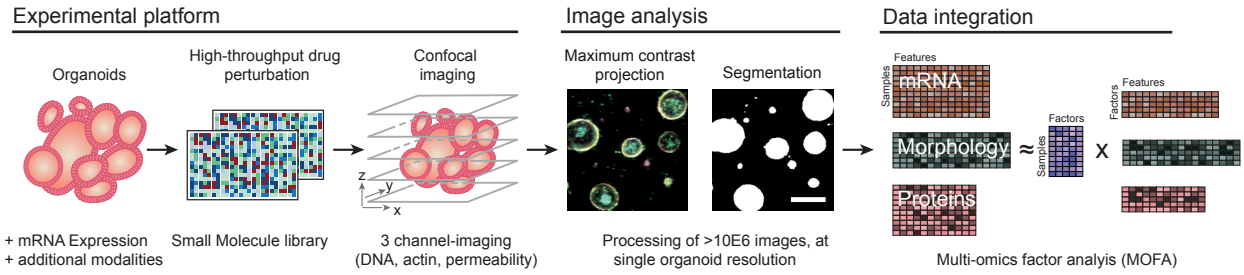
Experimental platform
Image analysis
Data integration
Organoids
High-throughput drug perturbation
Confocal imaging
Maximum contrast projection
Segmentation
Features
Samples
mRNA
Morphology
Proteins
Factors
Samples
Factors
Features
+ mRNA Expression
+ additional modalities
Small Molecule library
3 channel-imaging
(DNA, actin, permeability)
Processing of >10E6 images, at single organoid resolution
Multi-omics factor analyis (MOFA)