Multicolor, time dependent images

Preprocessing steps (illumination correction, de-noising, Background subtraction)

Objects segmentation (nuclei, cells, organelles, cytoskeleton, vesicles)

Quantify features (morphology, intensity, texture)

Accumulation of quantified data, Statistical analysis
Scoring of effects compared to control

Histograms
ScatterPlots
PCA+Mahalanobis
Outliers
Robust Statistics Scores

Well Montages
Full-Resolution Images

Plate Scores