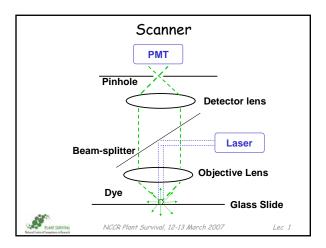
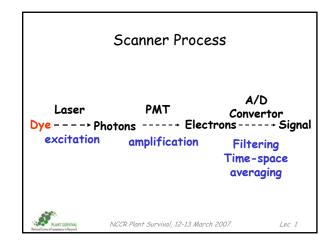
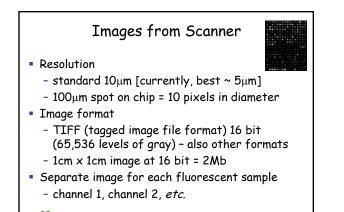


Quantification of ExpressionFor each spot on the slide, calculateRed intensity = Rfg - Rbg(fg = foreground, bg = background) andGreen intensity = Gfg - Gbgand combine them in the log (base 2) ratioLog2(Red/Green)Often, fg = mean and bg = median of relevant
pixel intensities

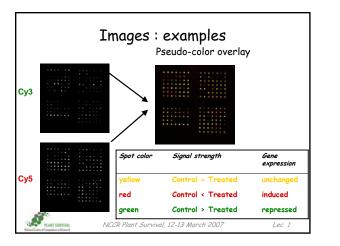


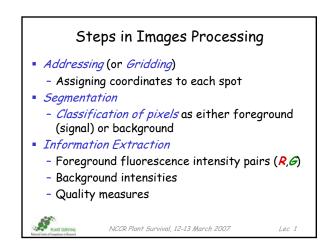


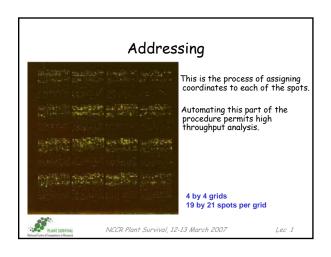


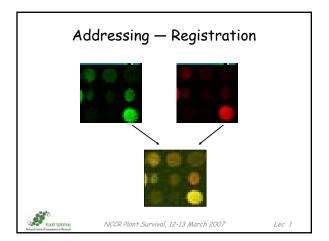
NCCR Plant Survival, 12-13 March 2007

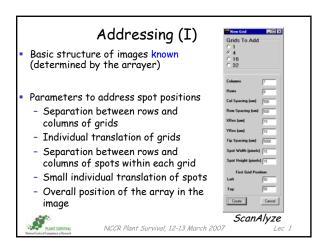
Lec 1

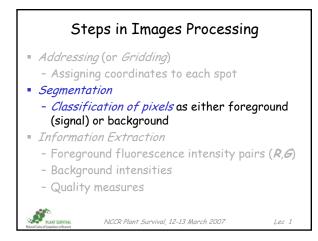


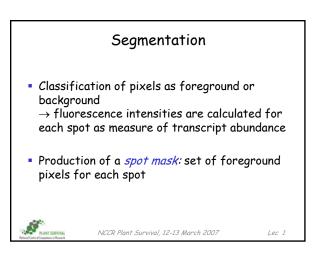












egmentation methods in some prograr	
Fixed circle	ScanAlyze, GenePix, QuantArray
Adaptive circle	GenePix, Dapple, SignalViewer (uses ellipse)
Adaptive shape	Spot, region growing and watershed
Histogram	ImaGene, QuantArray, DeArray and adaptive thresholding

