

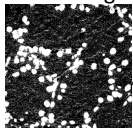
Cell-type identification pipeline

Single-cell segmentation

Regions of interest: nucleus, whole cell

Single-stage preprocessing and artifacts correction

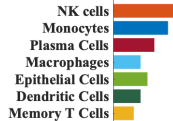
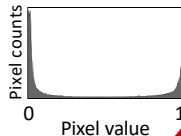
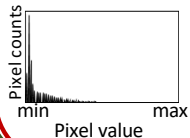
Raw image



Pixel classifier

Class I : signal of interest
Class II : noise and artifacts

FR map



Merge similar clusters

	marker 1	marker 2		marker m	Cell cluster id
cell 1					
cell 2					
cell n					

Unsupervised clustering

FlowSOM, Phenograph, ...