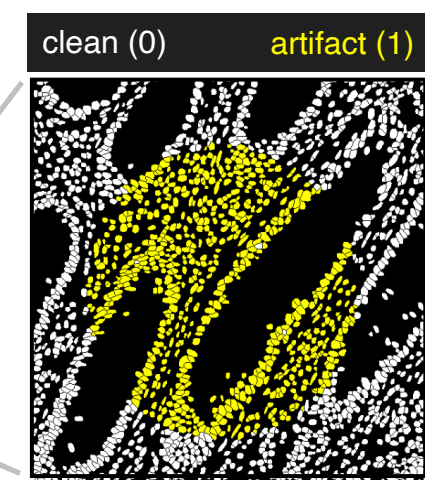
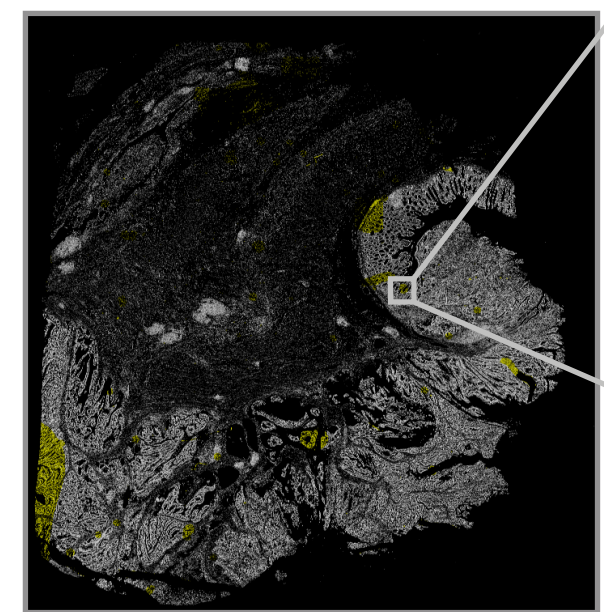


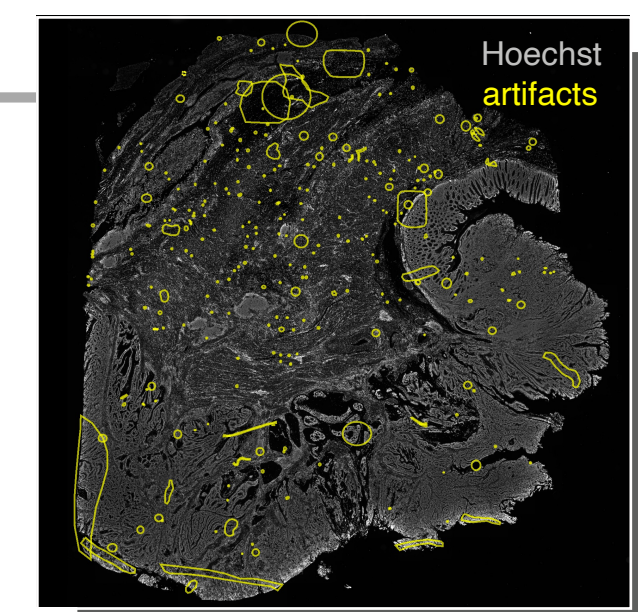
challenge:
**Probabilistic
Classifiers**
for automated
artifact detection
in multiplex images
of tissue

QC Prediction Mask



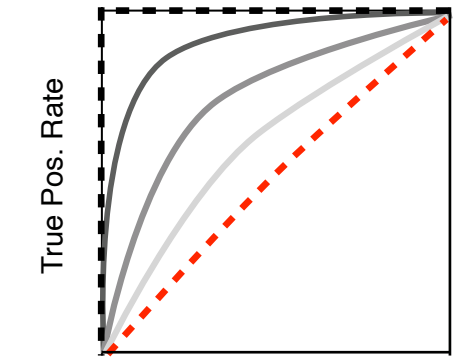
	<u>Pred</u>	<u>Truth</u>	<u>Outcome</u>
cell ₁	0	0	True Neg.
cell ₂	1	1	True Pos.
cell ₃	1	0	False Pos.
⋮			
cell _n	0	1	False Neg.

Ground Truth Annotations



multi-channel
OME-TIFF

Receiver operating
characteristic (ROC)
curve analysis



- perfect classifier - - -
- best classifier —
- better classifier —
- poor classifier —
- random classifier - - -