



Challenges

- ... dozens of markers measured per sample and spatial resolution results in high-dimensional images
- ... small clinical cohort sizes
- ... number and combination of measured markers vary across studies

A Multi-Scale Multi-Modal Vision Transformer over markers for Multiplexed Images across across datasets

CK8/18 VWF CAN EGFR GITR LAG3 Twist 41 markers Erk1/2 Collagen CXCL9mI CXCL9mRNA 38 markers b-Catenin CCR2 CD73 35 markers **S6** HER2 MMP9 35 markers PDGFRB CD3e CDH6 CD134 CD_{16}





