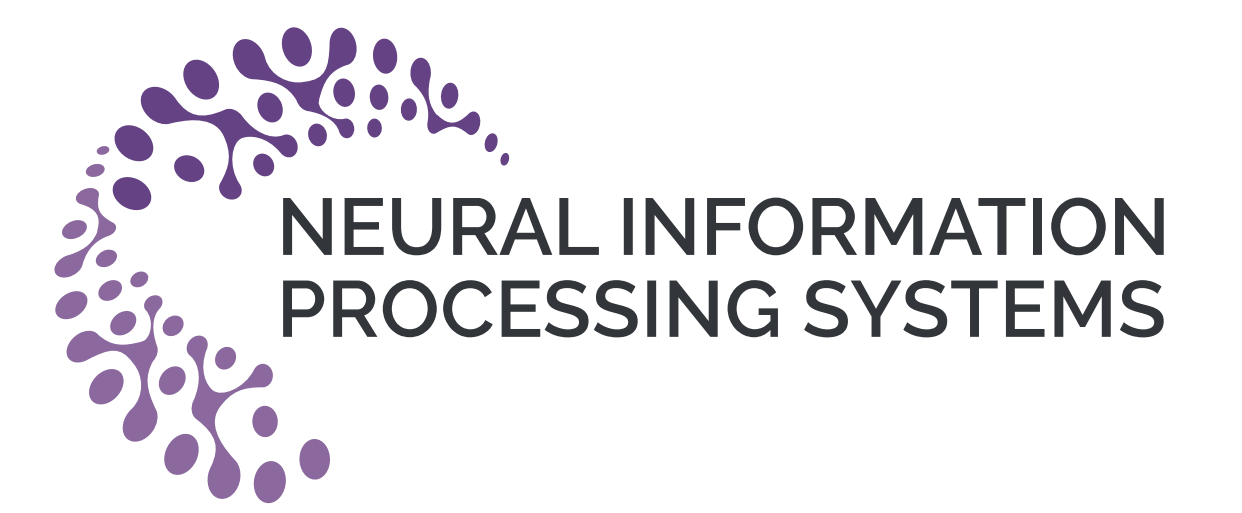


# STimage-1K4M: A histopathology image-gene expression dataset for spatial transcriptomics

Jiawen Chen, Muqing Zhou, Wenrong Wu, Jinwei Zhang, Yun Li, Didong Li. Department of Biostatistics, UNC-Chapel Hill



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

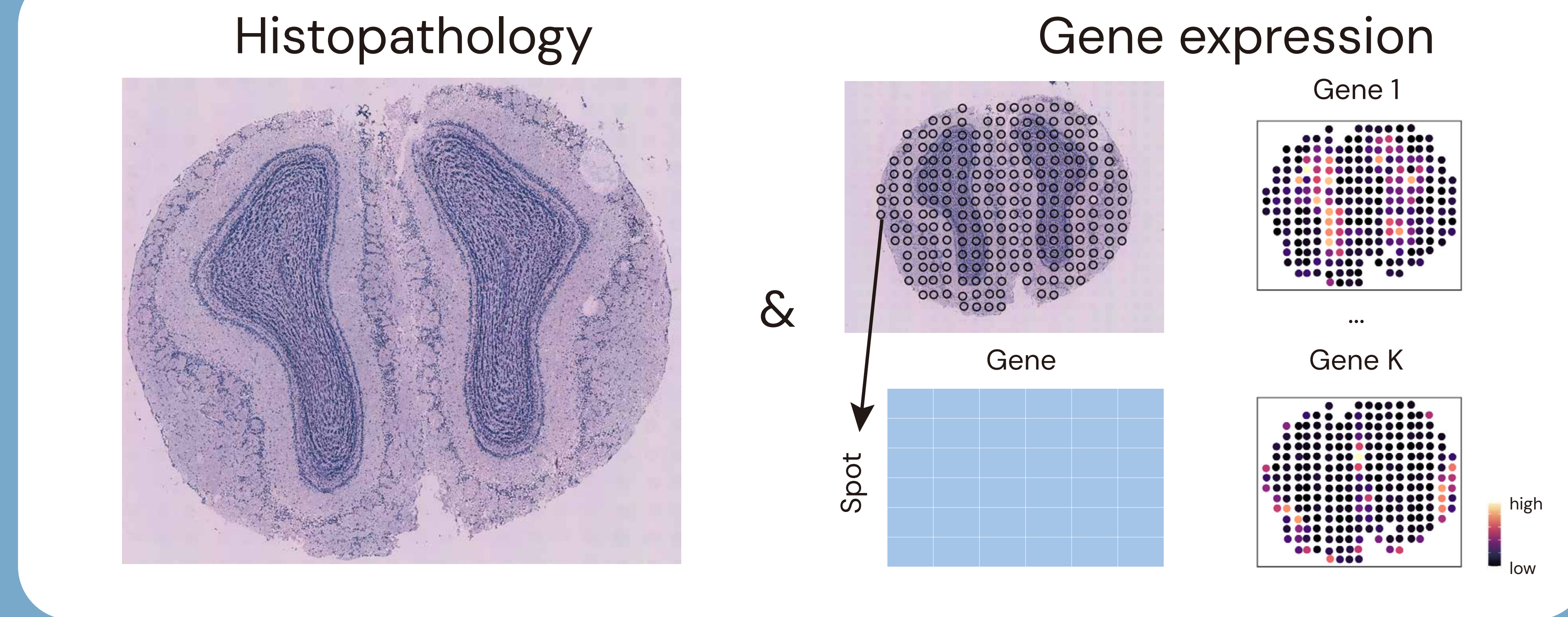


## Data source

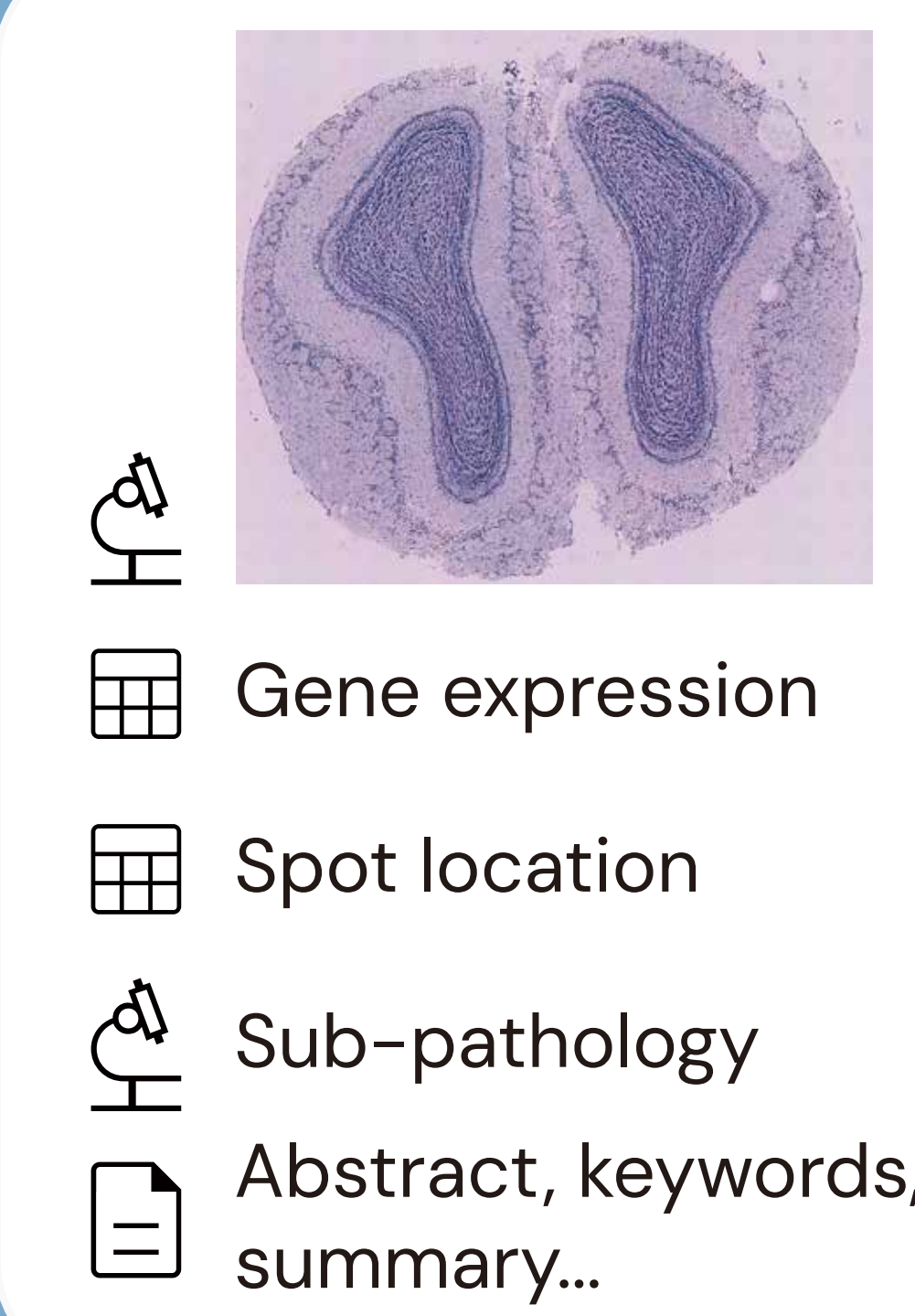


Publications

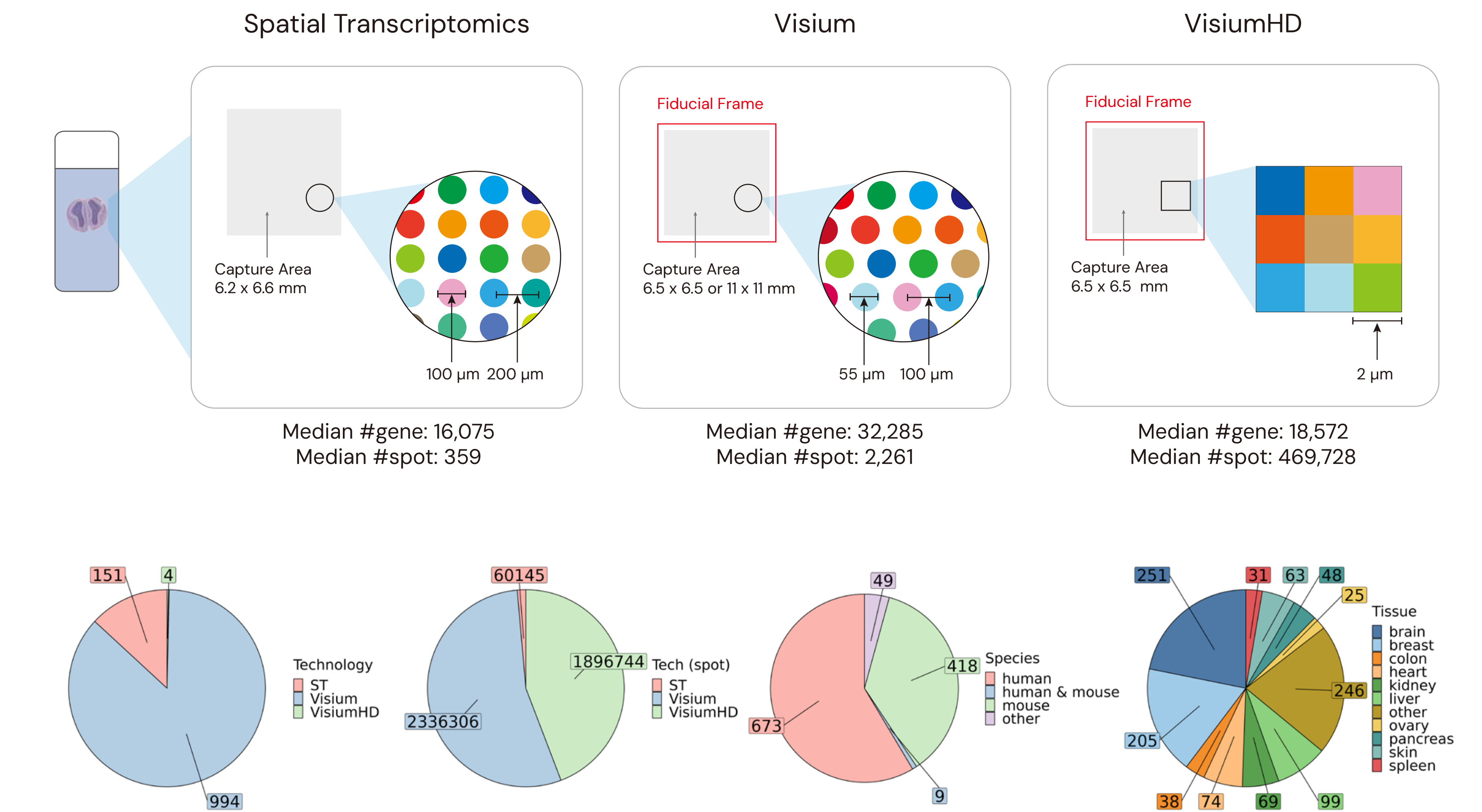
## Image-Gene expression pairs



## Data

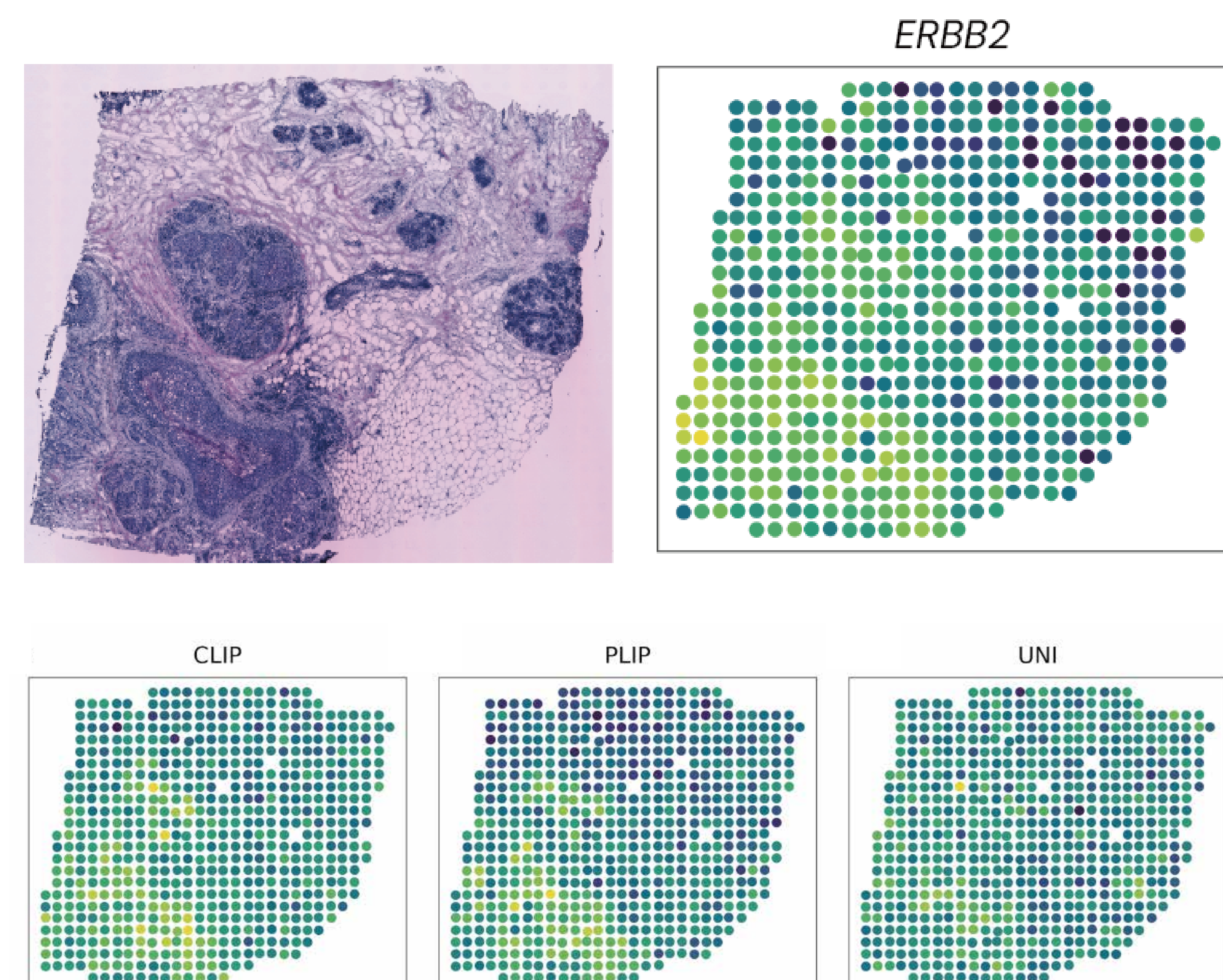


## Data composition

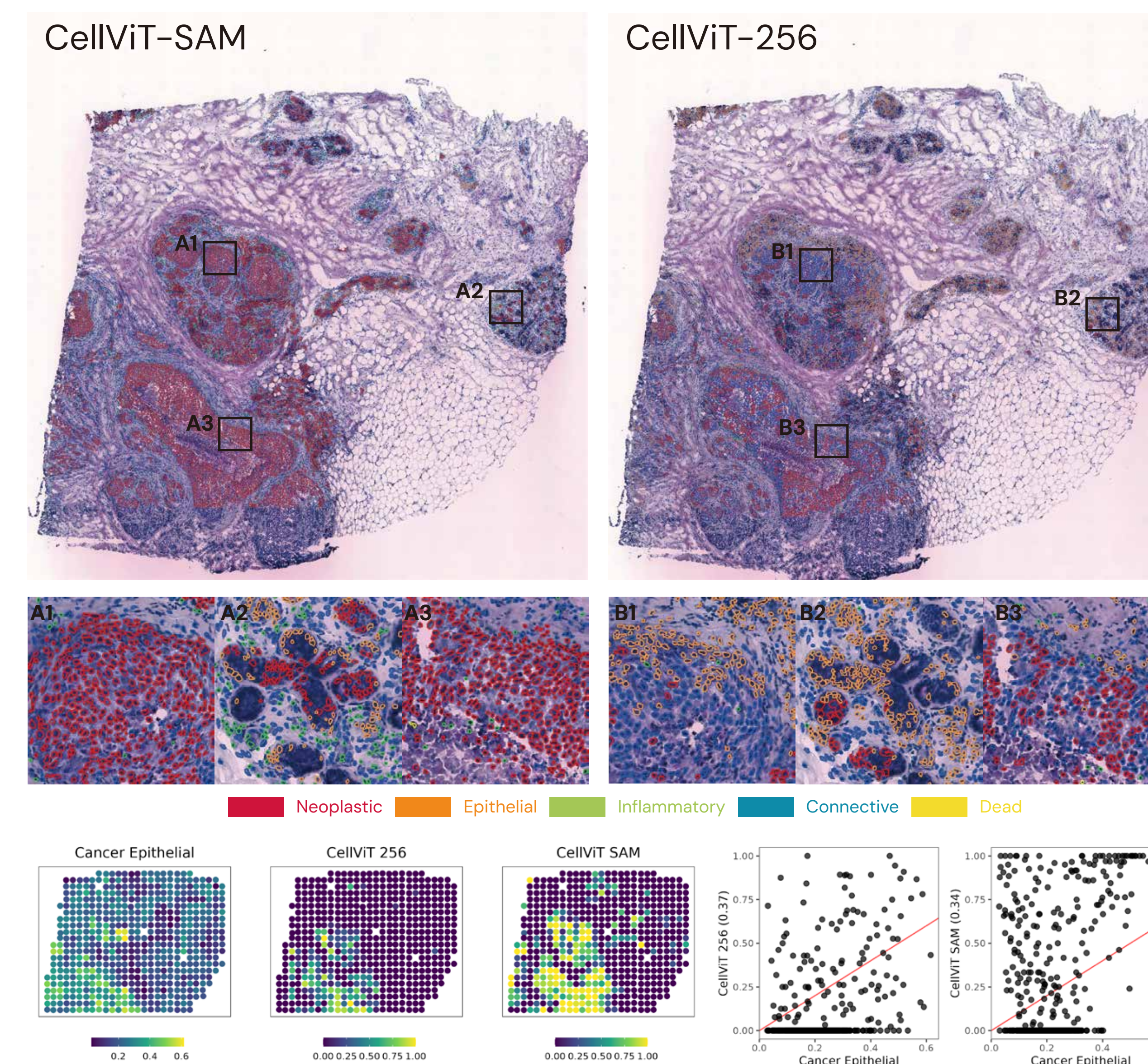


+ pathologist annotation for 71 slides

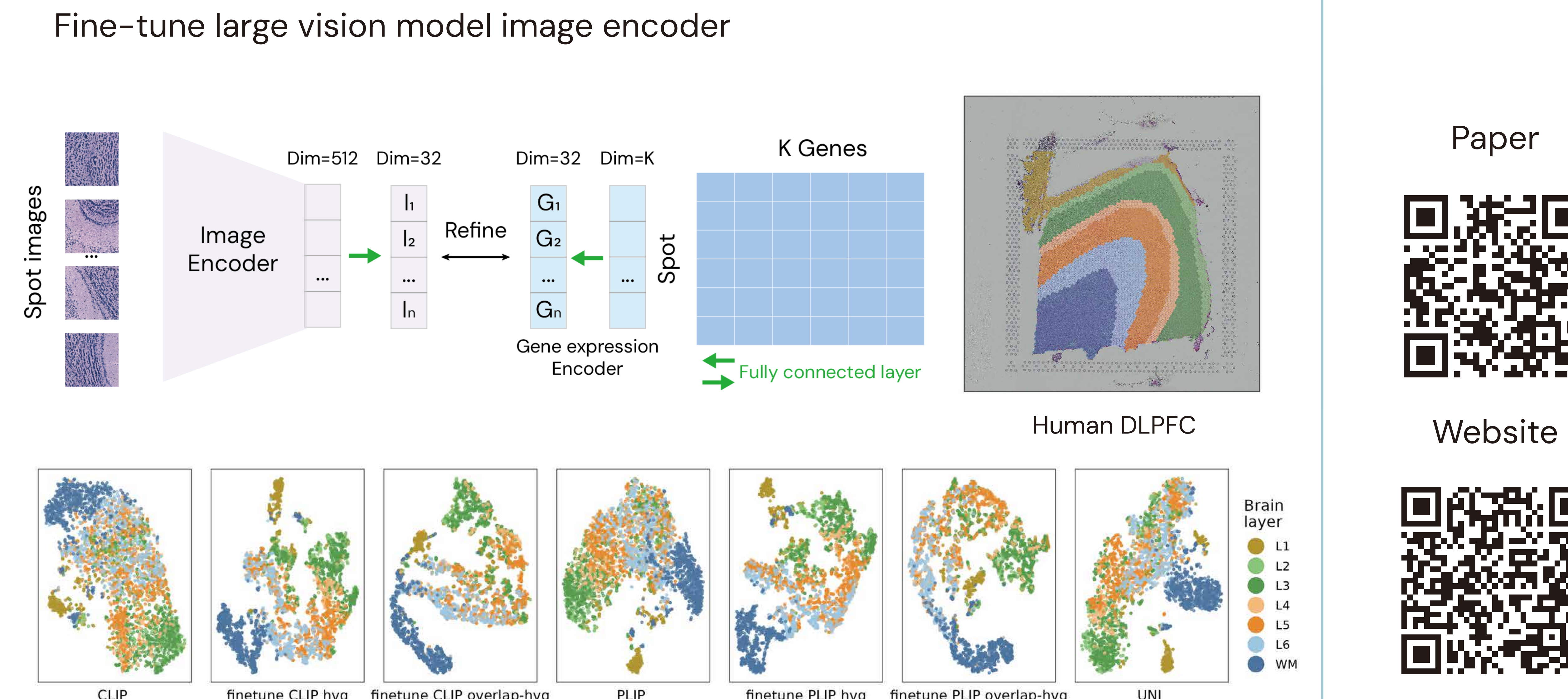
## Experiment #1: Gene expression prediction



## Experiment #2: Deconvolution



## Experiment #3: Image representation learning



Paper



Website

