

Computer vision opportunities for analyzing the spatial topography of gene expression in the human brain

HIGHLIGHTS:

- Mapping gene expression of six-layered human dorsolateral prefrontal cortex using spatial transcriptomics (Visium platform, 10x Genomics)
- Integration of spatial transcriptomic and proteomic data to examine pathology-associated changes in gene expression in neurodegenerative disease
- Computer vision opportunities for integrating spatial gene expression and histology/fluorescence microscopy data for spatial and pathological registration of gene expression

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