

Unsupervised detection of cellular domains from spatial gene expression signatures by spage2vec

Gabriele Partel<sup>1</sup>, Carolina Wählby<sup>1</sup>

<sup>1</sup> Division of Visual Information and Interaction, Department of Information Technology, and SciLifeLab, Uppsala University, Uppsala, Sweden

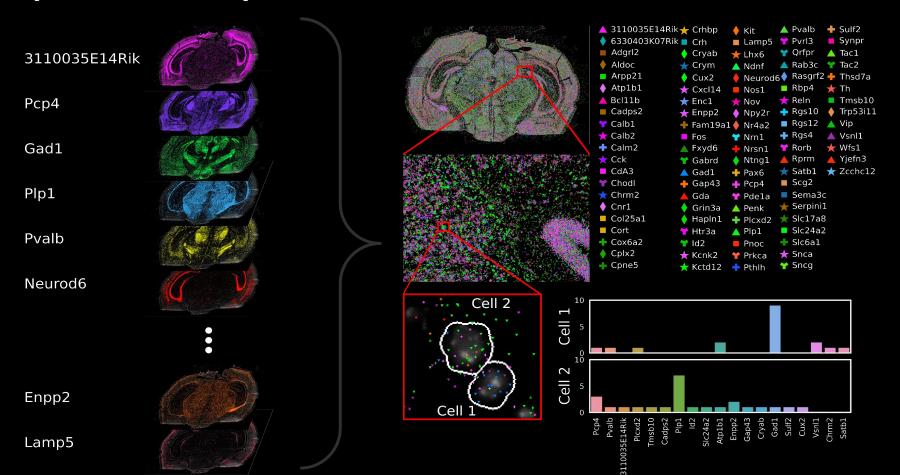


@gapartel

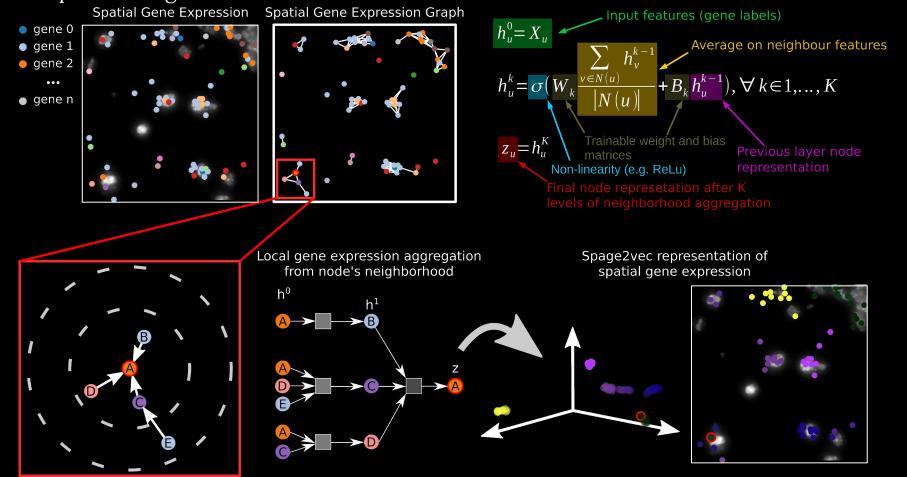


gabriele partel@it.uu.se

## Spatially resolved transcriptomics map the expression of targeted genes in preserved tissue samples



Spage2vec creates an unsupervised concise representation of localized spatial gene expression signatures



Spage2vec representation of the spatial gene expression can be used to identify cell-type signatures by clustering analysis

