



Welcome to the Xena's multi-omic integration single cell portal

ENTER





Select an integration:

Name 🔻	Donor 🕳	Cells/Spot	Data types 💂
Metastatic melanoma HTAN Human 👔	4	64,000	10x Visium
(Tirosh et. al. 2016)	8	400,000	scRNAseq\scATACse
Human Squamous Cell Carcinoma (Ji et al Cell 2020, Chen et al BioRxiv 2022)	2	64,000	10x Visium
	10	400,000	scRNAseq
Mouse spleen 🕤			
(Govek et al Science Adv 2021) 🚯	5	4,000	CITEseq
(Goltsev et al Cell 2018) 🐧	3	500,000	CODEX
Single-cell transcriptomic analysis of mIHC images via antigen mapping (Govek et al Science Adv 2021)	5	4,000	CITEseq
Deep Profiling of Mouse Splenic Architecture with CODEX Multiplexed Imaging (Goltsev et al Cell 2018)	3	500,000	CODEX
Single-cell reconstruction of follicular remodeling in the human adult ova (Fan et al Nat Commun 2019)	5	10,000	Expression





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Next

Select a UMAP/t-SNE layout





Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×

Layout \

Select a layout type:

- UMAP/t-SNE
- Spatial

Select a UMAP/t-SNE layout

Select a UMAP/t-SNE layout:

Select a UMAP/t-SNE layout



scRNAseq (Tumor only, all patients)

scRNAseq (All cells, all patients)

scATACseq (Tumor only, all patients)

scATACseq (All cells, all patients)

scRNAseq + scATACseq (Seurat, Tumor

scRNAseq + scATACseq (Seurat, All cell

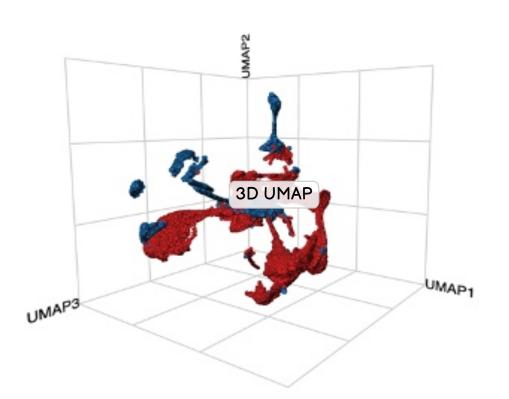








Layout Color by Cells in View



Select a layout type:

- UMAP/t-SNE
- Spatial

Select a UMAP/t-SNE layout:

scRNAseq + scATACseq (Seurat, All cells ▼

Dot Size:



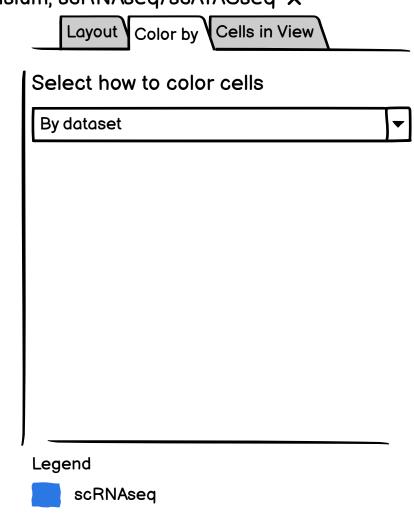








UMAP1 UMAP3



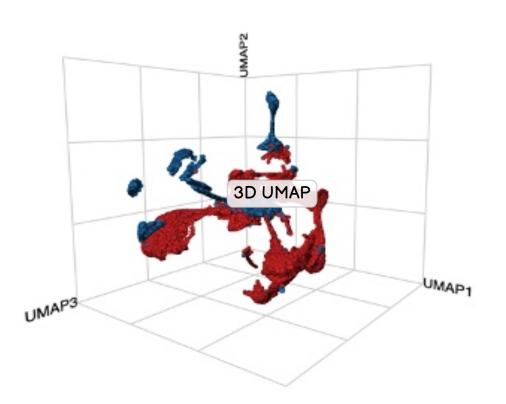
scATACseq







Layout Color by Cells in View



Select how to color cells

By dataset

By donor

By cell type/cluster

By cell type/cluster probability

By gene

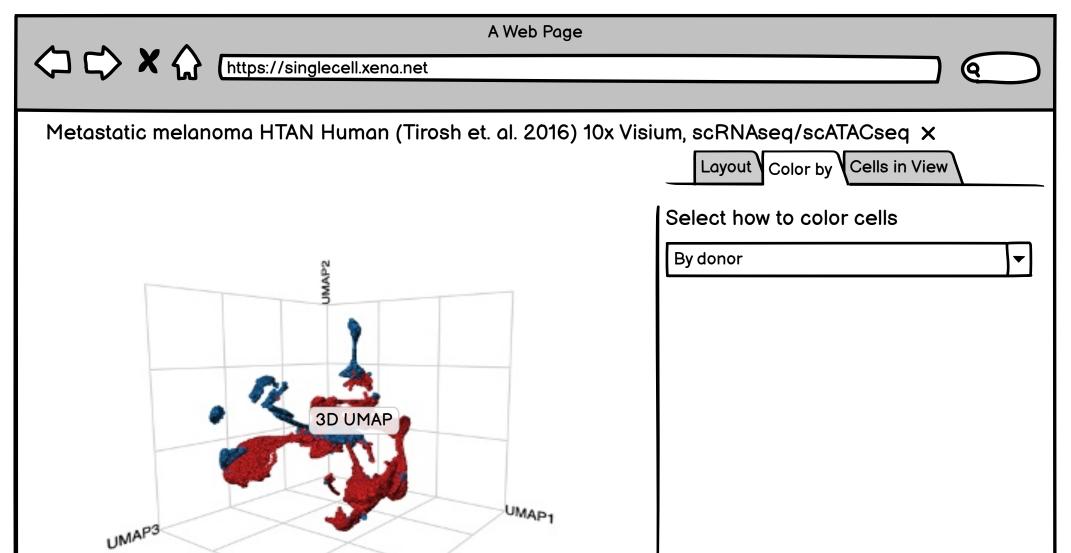
Legend

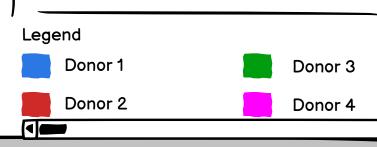


scRNAseq



scATACseq



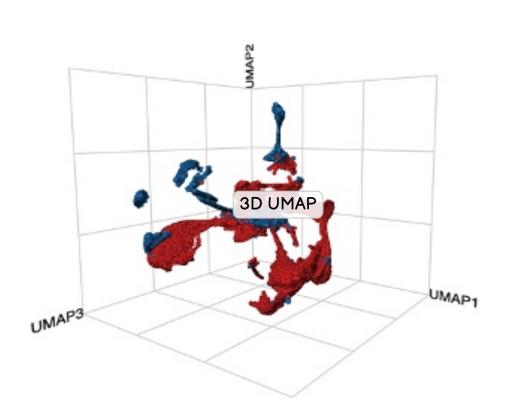


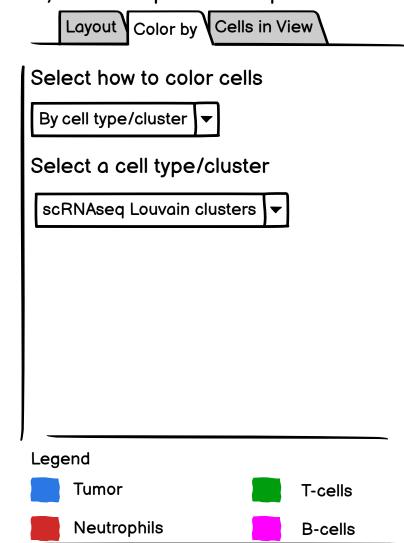




















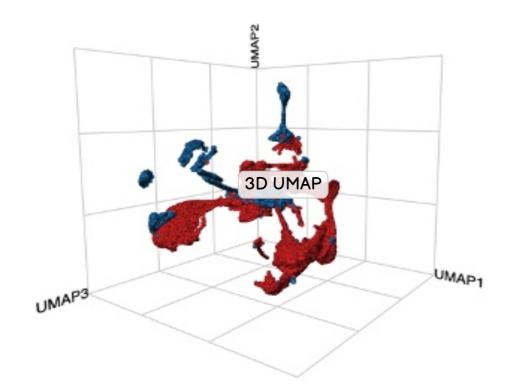
Layout Color by Cells in View Select how to color cells



Select a cell type/cluster

Select a cell type/cluster ▼ Cell types/clusters 1 scRNAseq cell cluster Louvain scRNAseq cell type Craft et al Science 2021 scATACseq cell cluster Louvain i Transferred cell types/clusters 1

scRNAseq -> scATACseq by MARIO (1)



Legend



Tumor



T-cells



Neutrophils



B-cells

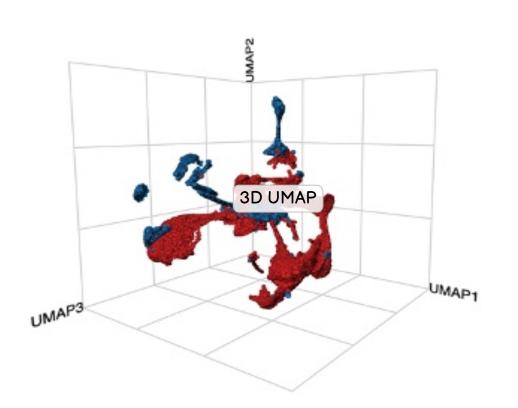


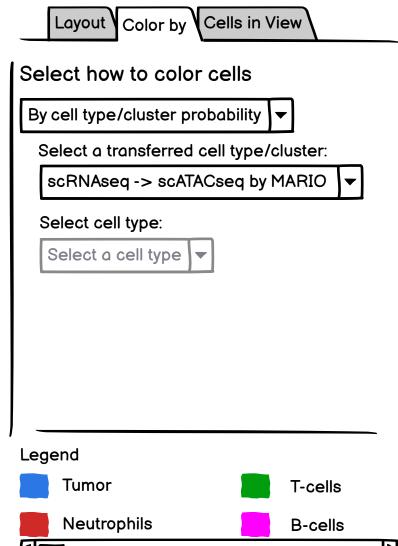








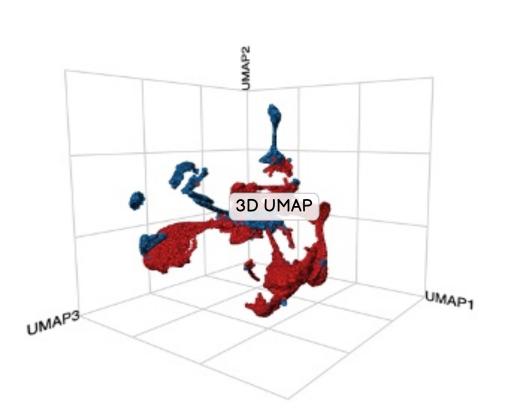


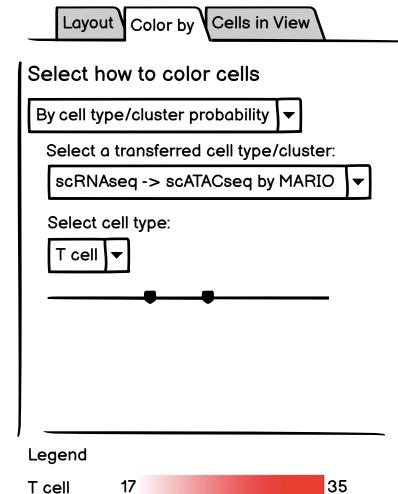












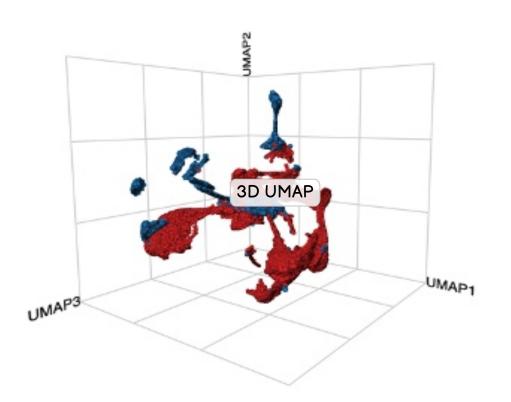


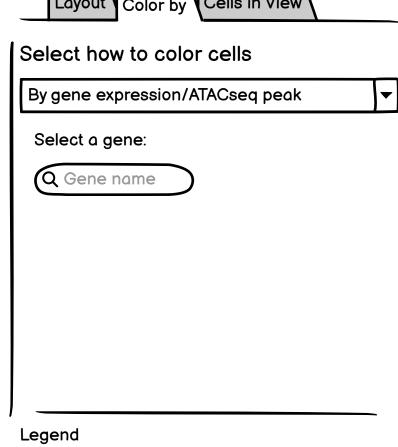




Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×

Layout Color by Cells in View





T cell 17

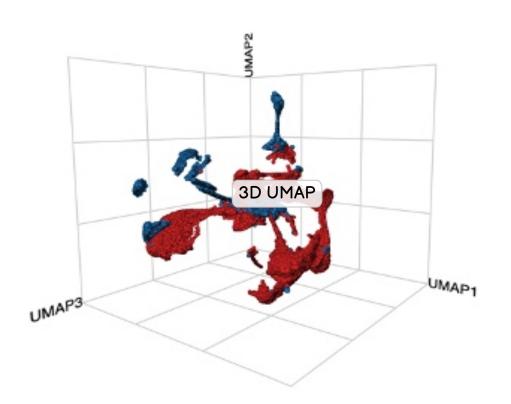


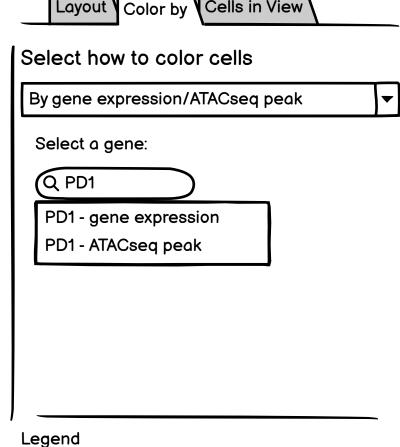






Layout Color by Cells in View





17 T cell

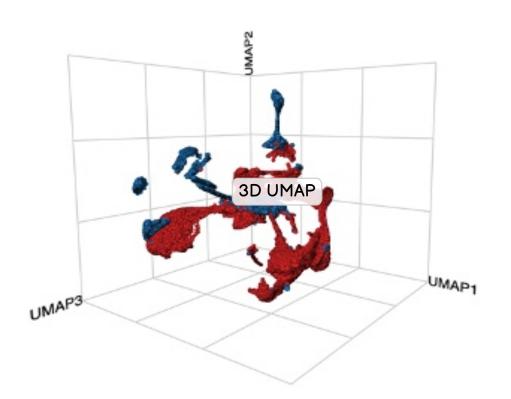


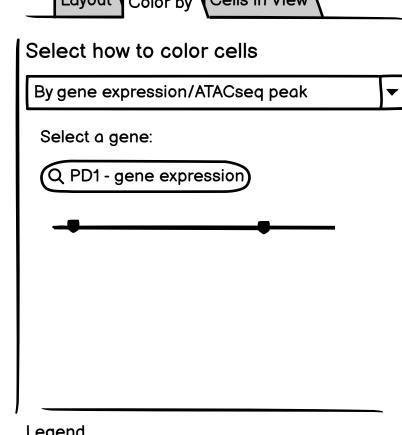






Layout Color by Cells in View





Legend

PD1 - gen.. 17

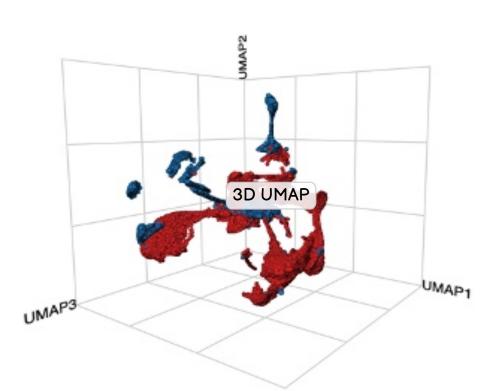








Layout \ Color by \ Cells in View



Select the cells you want to view

✓ All cells

Legend

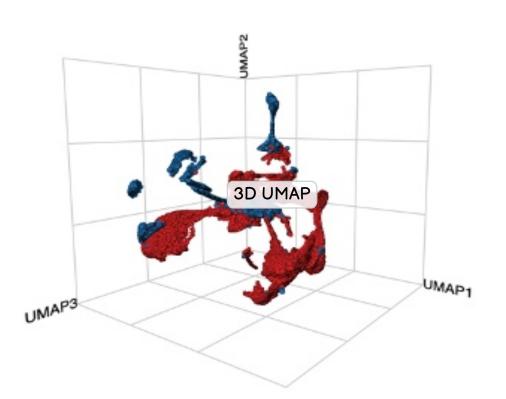
PD1 - gen.. 17







Layout Color by Cells in View



- UMAP/t-SNE
- Spatial

Select a UMAP/t-SNE layout:

scRNAseq + scATACseq (Seurat, All cells ▼

Dot Size:

Legend

35 PD1 - gen.. 17

Select a spatial layout

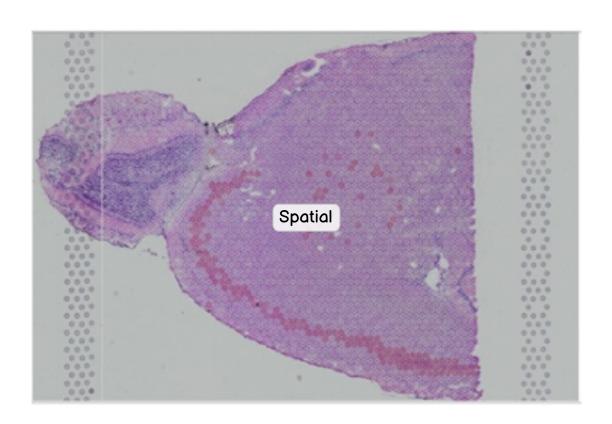
Select a spatial layout

Patient 1 Tumor
Patient 1 Normal
Patient 2 Tumor
Patient 2 Normal





Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×



Layout Color by Cells in View Select a layout type: ○ UMAP/t-SNE Spatial Select a spatial layout Patient 2 Normal Dot Size: Legend **Tumor** T-cells Neutrophils **B-cells**

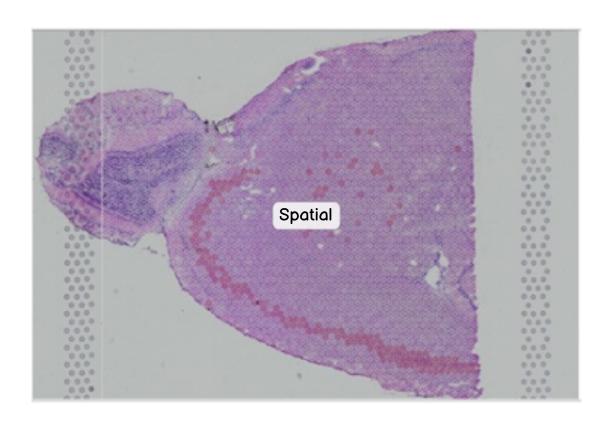








Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×



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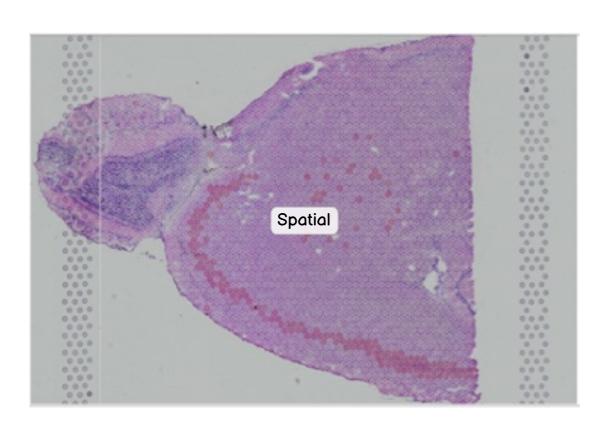


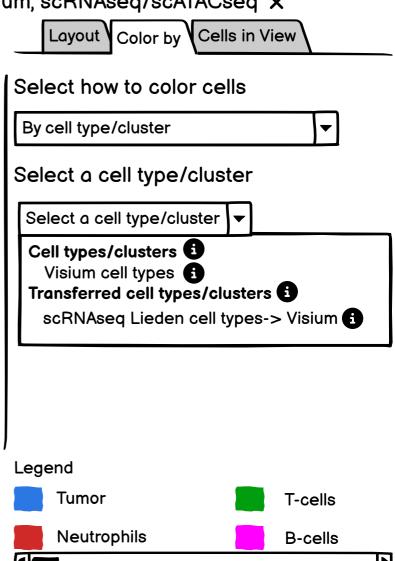






Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×





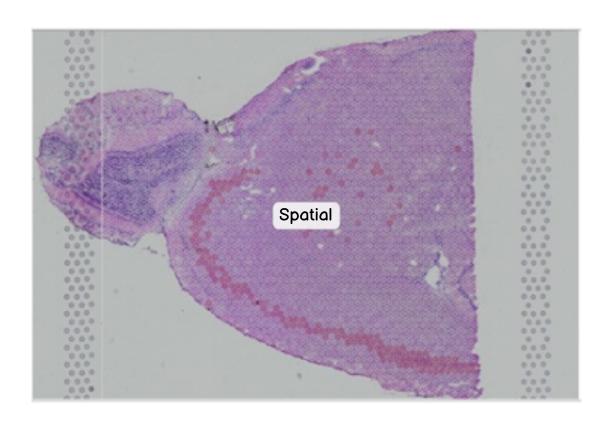








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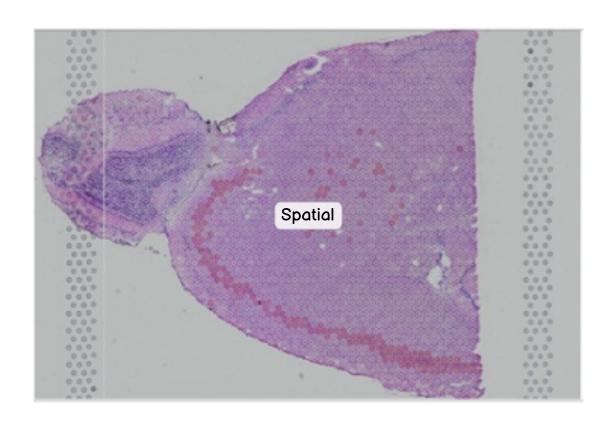
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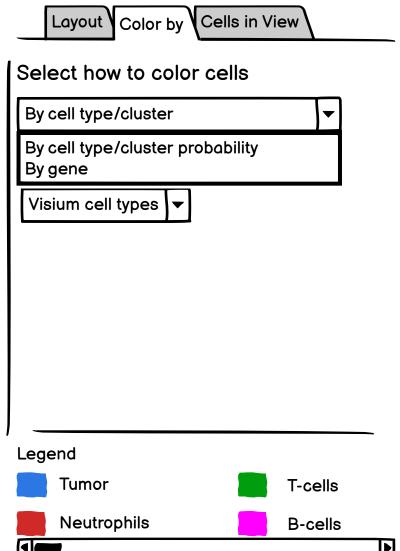






Metastatic melanoma HTAN Human (Tirosh et. al. 2016) 10x Visium, scRNAseq/scATACseq ×



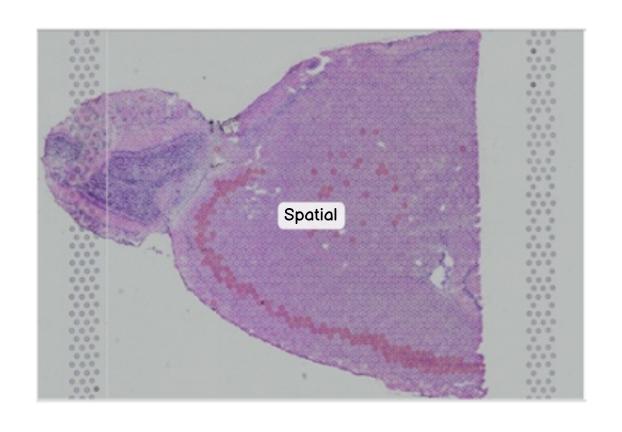


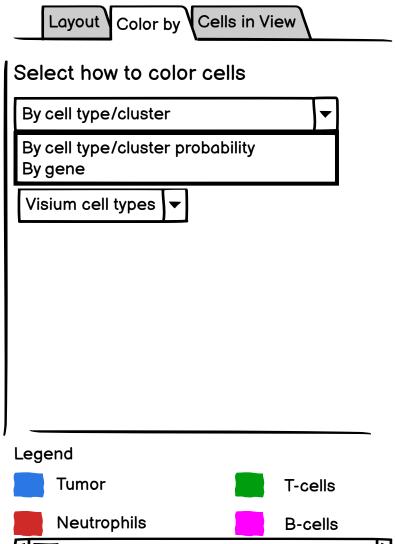






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