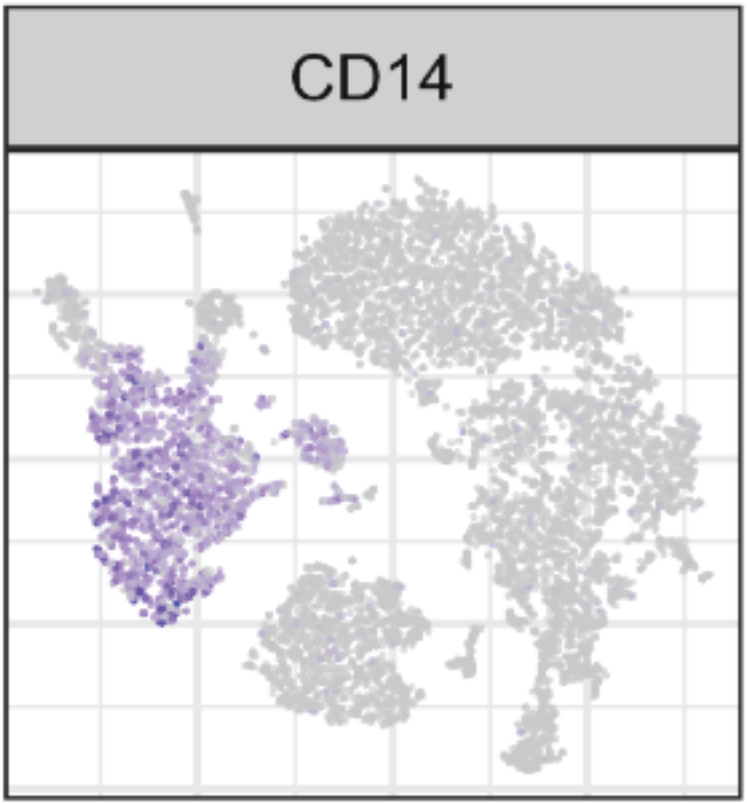
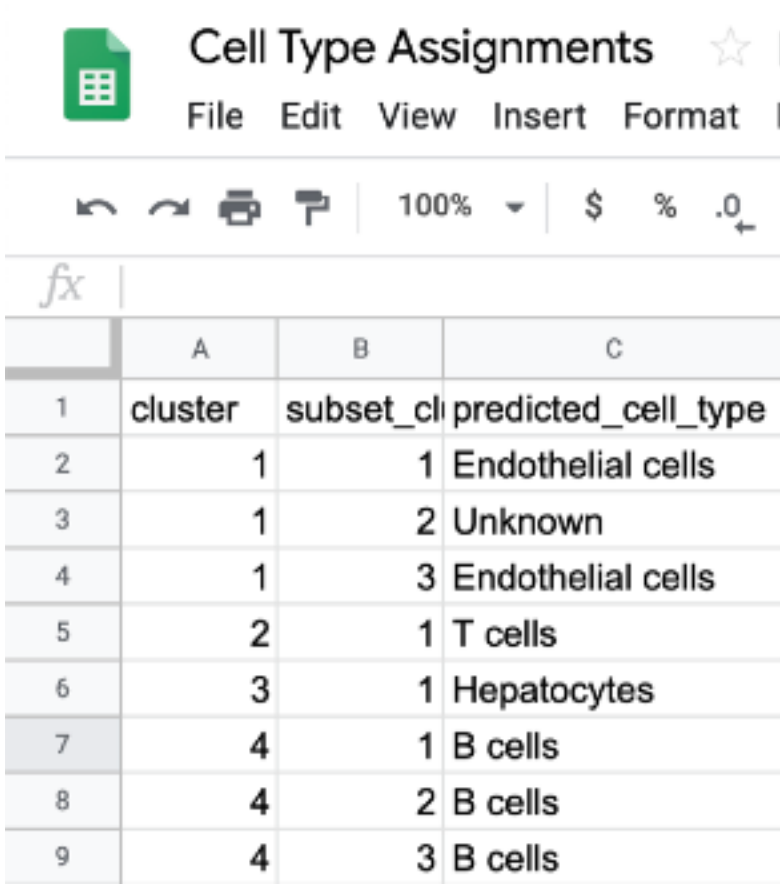
The usual cell annotation workflow involves lots of manual labor

Cluster cells



Find specific genes

Read papers
about those genes

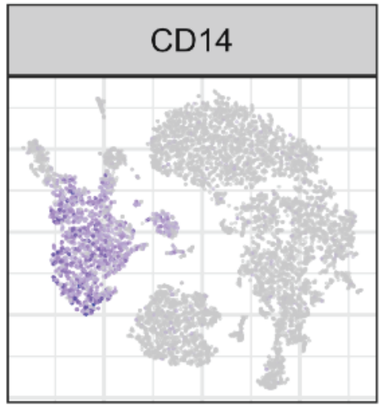


	A	B	C
1	cluster	subset_cl	predicted_cell_type
2	1	1	Endothelial cells
3	1	2	Unknown
4	1	3	Endothelial cells
5	2	1	T cells
6	3	1	Hepatocytes
7	4	1	B cells
8	4	2	B cells
9	4	3	B cells

Take your best guess for each cluster

The usual cell annotation workflow involves lots of manual labor

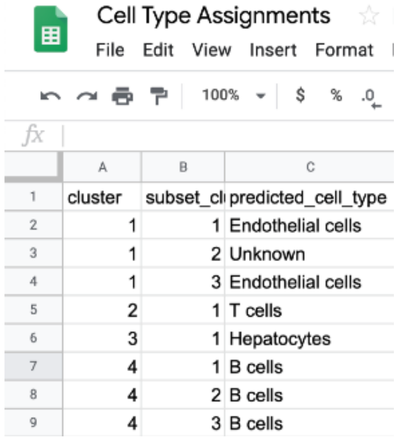
Cluster cells



Find specific genes

Google

Read papers about those genes

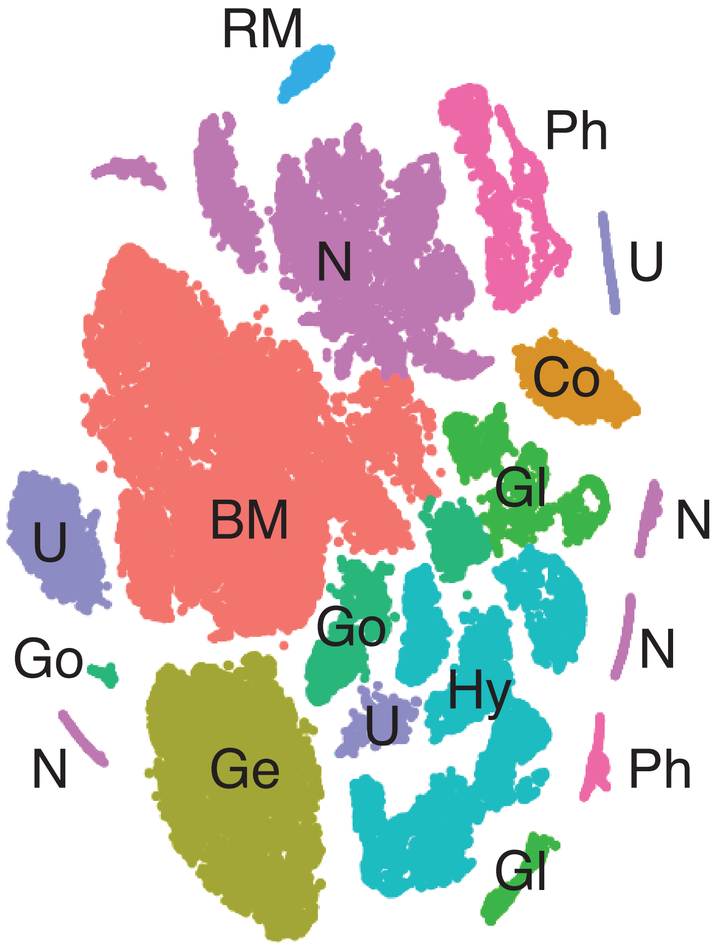


Take your best guess for each cluster

sci-RNA-seq resolves nearly all the cell types in the worm

Cell type

- BM Body wall muscle
- Co Coelomocytes
- Ge Germline
- Gl Glia
- Go Gonad/vulval precursors
- Hy Hypodermis
- RM Intestinal/rectal muscle
- U Low coverage or unclear
- N Neurons
- P Pharynx



Cao & Packer *et al.* *Science* (2017)