

# Cell Trek

Webinars

9:00 AM  
PDT

## Generating interpretable maps of single cell chromatin accessibility and RNA-seq datasets with Similarity Weighted Nonnegative Embedding



Fri April 26th, 2019



REGISTER

### Speaker

**Yan Wu**

Department of Bioengineering  
University of California, San Diego, San Diego, CA, USA

Yan works on applying computational and experimental approaches to understand the processes underlying human development at single cell resolution. He has previously developed computational approaches for visualizing single cell datasets, and for mapping the cell types resulting from single cell overexpression screens. Yan is most recently working on mapping the DNA accessibility landscape of human brain development.

### The webinar is going to address

- ➔ Generating interpretable visualizations with SWNE
- ➔ Comparison of SWNE against other visualization methods including UMAP and t-SNE
- ➔ Demonstrations of SWNE on both RNA-seq and chromatin accessibility datasets