

Single cell transcriptomics with python

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Trainers/organisers

- Valeria di Cola: Training coordinator at SIB
- Alex Lederer: PostDoc at EPFL
- Tania Wyss: Bioinformatician at SIB and UNIL
- Andreia Gouvêa: Guest speaker, Field application scientist 10x Genomics
- Geert van Geest: trainer at SIB/bioinformatician at IBU Bern

Learning outcomes

- Explain the characteristics of the mostused methods to scRNA-seq data
- Perform quality control at different steps of the analysis
- Use dimensionality reduction (PCA, t-SNE, UMAP)
- Apply best practices for translating single cell transcriptomic data into biological knowledge

Learning experiences

- Lectures
- Quiz questions
- Exercises

Question 1-4

Communication

Course website:

https://sib-swiss.github.io/single-cell-python-training/

Google docs

Introduction round

- Your name
- What do you do?
- Why you join the course

