



Swiss Institute of
Bioinformatics

Single cell transcriptomics

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Trainers/organisers

- **Valeria diCola:** Training manager at SIB
- **Rachel Marcone:** Bioinformatician at SIB
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Learning outcomes

- Explain the **characteristics** of the most-used **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-training/>

- Slack
- Google docs