



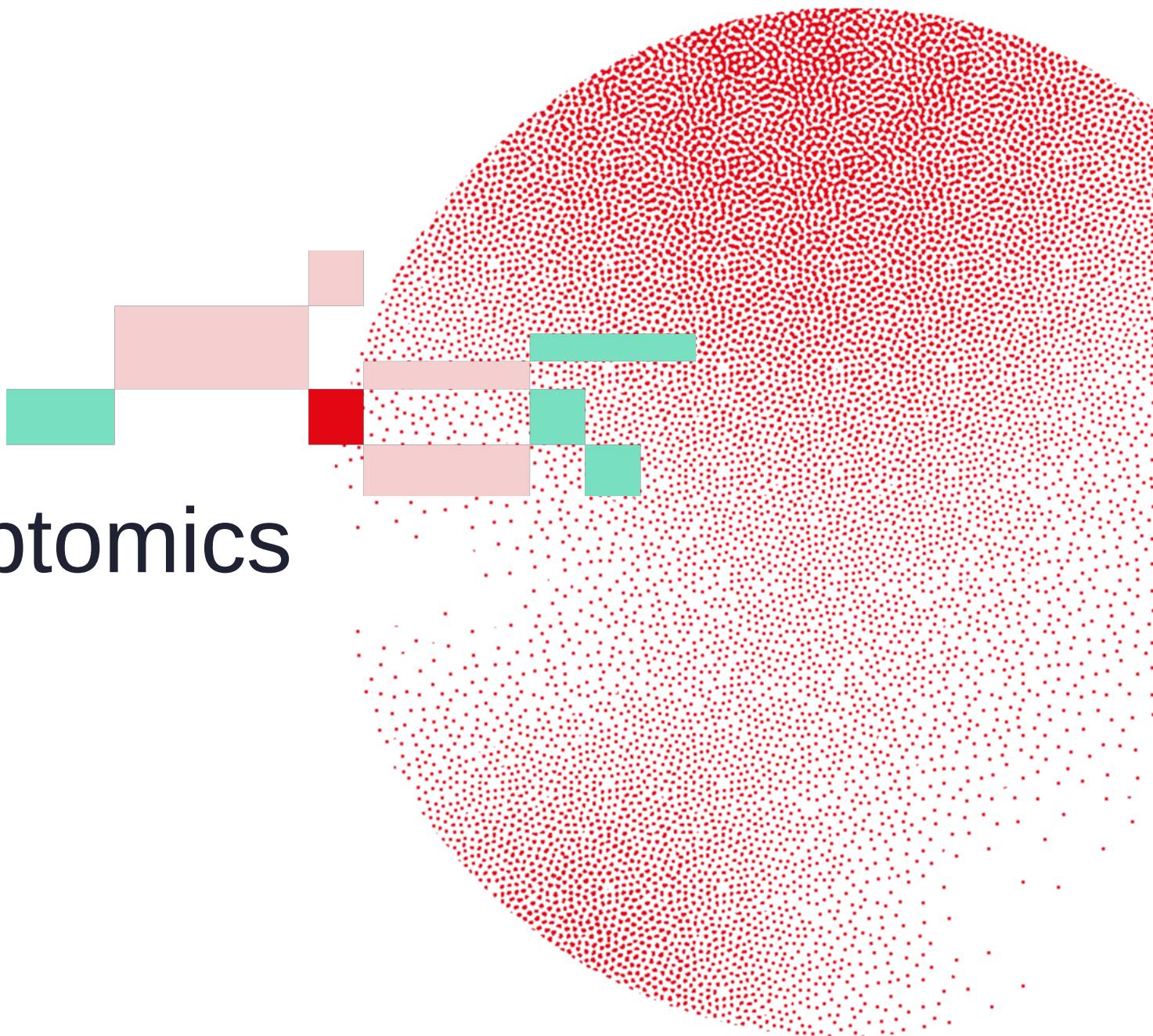
Swiss Institute of
Bioinformatics

SIB COURSE

Single cell transcriptomics

Deepak Tanwar

Geert van Geest



Trainers/organisers

- » **Diana Marek:** training coordinator at SIB
- » **Deepak Tanwar:** trainer at SIB/Bioinformatics specialist at UZH
- » **Joana Carlevaro:** trainer at SIB/Bioinformatician at IBU UniBe
- » **Cassandra Litchfield:** Bioinformatician at Universitätsspital Zürich
- » **Geert van Geest:** training project manager at SIB

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-r-training>
- » Shared document :
 - General links for the course
 - Write your name for the exam

Introduction round

- » Your name
- » What do you do ?
- » Why are you joining the course ?

