



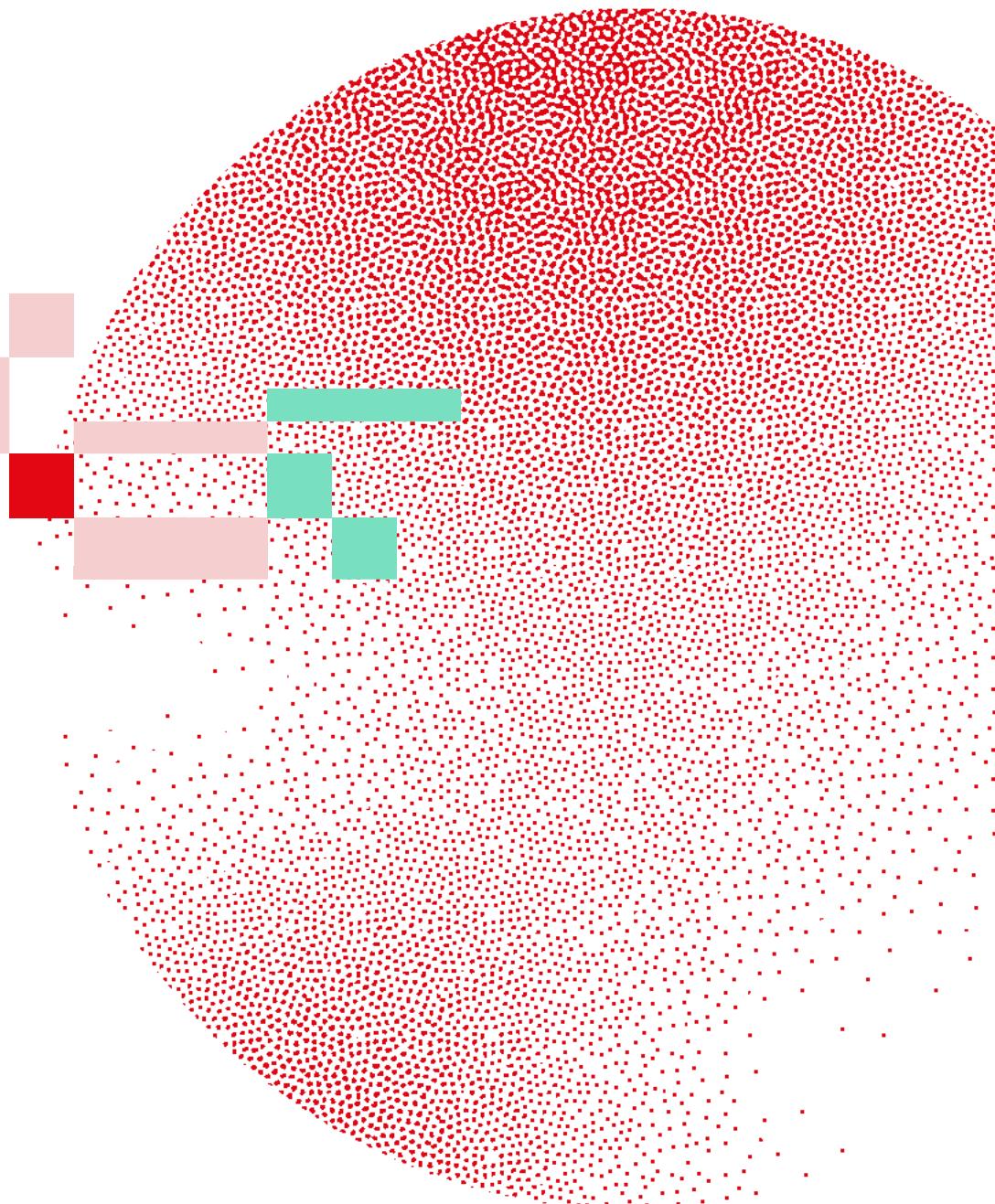
Swiss Institute of
Bioinformatics

BIOLOGY-INFORMED INTEGRATION AND VISUALIZATION OF
MULTIOMICS DATA

Introduction

Deepak Tanwar

February 17-19, 2026



Trainers/ organisers/ helpers

- » **Deepak Tanwar:** Trainer at SIB & Bioinformatics Specialist at UZH
- » **Joana (Juna) Carlevaro Fita:** Bioinformatics Trainer at SIB and UNIBE
- » **Monique Zahn:** Training Project Manager at SIB
- » **Patricia Palagi:** Training Group Leader at SIB

Learning outcomes

- » Import and integrate pre-processed ATAC-seq, RNA-seq, ChIP-seq, and Bisulfite-seq data using R and Bioconductor packages
- » Generate and interpret overlap matrices to identify regions of co-occurrence and regulation
- » Perform functional analysis of the results
- » Create informative plots to represent multi-omics data

Learning experiences

- » Lectures
- » Quizzes
- » Exercises

Quiz: 1-5

Communication

- » Course website: <https://sib-swiss.github.io/multiomics-biological-integration-training/>
- » Shared document
 - » General links for the course
 - » Please write your name for the exam

Introduction round

Your name

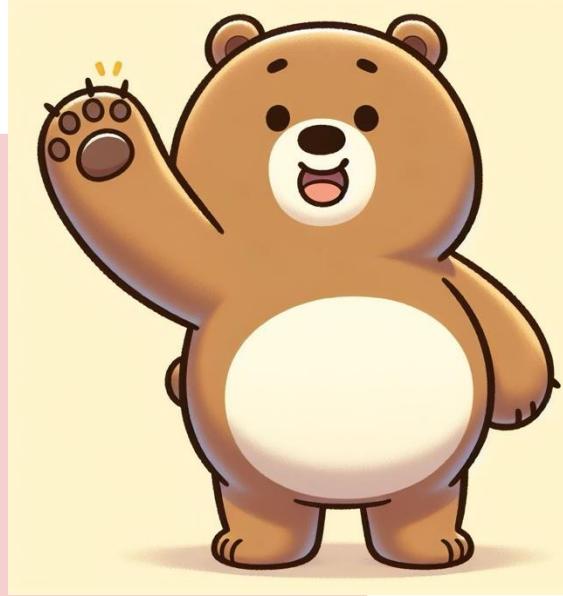
What do you do? (PhD/ postdoc)

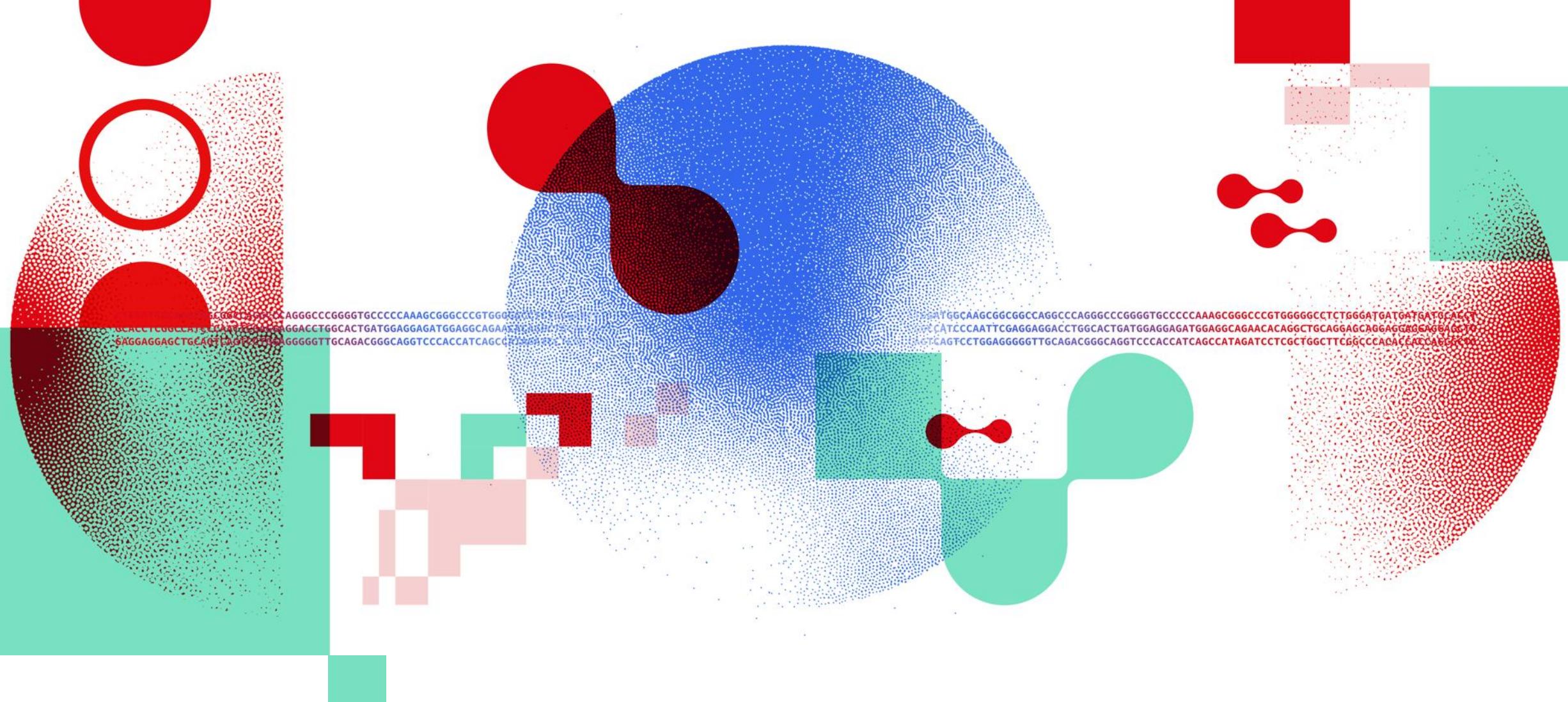
Datasets you are using.

Your topic of research.

Why are you joining the course?

Do you know of any similar course?





Thank you

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