

TRAINING

Unlocking Epigenomic Insights: ATAC-seq Data Analysis in Practice

MARCH 24-26, 2025



Genopolys, Montpellier

Free 3-day training course

Up to 15 participants

FACILITATED BY

Pierre-François ROUX
Epigeneticist, PhD
IRCM



Mohammad SALMA
Bioinformatics & Data Scientist, PhD
IRCM/IGMM



Dassou SIKA
Engineer
IGF/IGH



Michael PATRON
Engineer
IRCM



Contact us:
siric.montpellier@icm.unicancer.fr

TRAINING PROGRAM

24
MARCH

Introduction to epigenetics & preprocessing of ATAC-seq data

Objectives:

Gain a foundational understanding of epigenetics and acquire practical skills in preprocessing ATAC-seq data.

Keywords: experimental design, quality control, mapping, trimming, peak calling

25
MARCH

Data mining & visualization with ATAC-seq data

Objectives:

Learn how to analyze, visualize, and interpret ATAC-seq data.

Keywords: peak annotation, differential accessibility, functional analysis, genome browser, meta-profiles, heatmap

26
MARCH

Advanced usage of ATAC-seq

Objectives:

Develop advanced skills in ATAC-seq analysis using state-of-the-art methods and tools.

Keywords: motif enrichment analysis, digital footprinting, multi-omic integration