



Institut
d'Investigació Sanitària
Illes Balears



WORKSHOP

Single-Cell Sequencing Technology: Mastering Experimental Planning

MARCH 22, 2024

From 12.00 to 13.30
Classrooms 102-103 HUSE

On-site free training

Dra. Cátia Moutinho
Scientific Consultant
on Single-Cell and
Spatial -omics Technology



More information: www.idisba.es

PROGRAM

March 22nd, 2024 from 12 to 13.30 p.m.

Rooms 102-103 of the Son Espases University Hospital
(building L, floor +1)



WORKSHOP OBJECTIVES

1. To introduce cutting-edge single-cell sequencing technologies.
2. To highlight the significance in molecular biology research.
3. To give in-depth instructions for experimental planning. To foster interactive discussions and engage the participants in activities to enhance learning.

PROGRAM OUTLINE

I. Introduction (5 minutes)

- A) Welcome and introduction to the workshop.
- B) Discuss the agenda and objectives for the workshop.
- C) Briefly explain what single-cell sequencing technology is.

II. Single-Cell Sequencing Experimental Planning (15 minutes)

- A) Talk about the questions that need to be answered before doing a single-cell sequencing experiment

III. Single-Cell Sequencing Technology (10 minutes)

- A) Explain the four main types of single-cell sequencing technology.
- B) Refer to the commercial technology currently available.
- C) Talk about the limitations of single-cell sequencing methods.

IV: Summary and Take-Home Message (15 minutes)

- A) Summarise all the content that was explained previously.
- B) Engage participants in a Q&A session (play a game) to ensure understanding

V: Talk with a scientific consultant (45 minutes)

- A) Discuss and advice participants on their projects.
- B) Encourage participants to share their thoughts.
- C) In case there are no projects to discuss, I will give some examples that I encounter.

