

SPRi OpenPlex

Reference

SPRI1

Price

1 210€ per attendee

Duration

2 days

Dates

15-16 February and 6-7 June 2024.

Schedule

From 9 am to 5.30 pm

Registration deadline

15 January and 6 May 2024

Location

14 Boulevard Thomas Gobert,
91120 Palaiseau - France

Prerequisites

Dedicated to HORIBA customers only and knowledge of the technique and equipment.

Who should attend

OpenPlex users or people wishing to acquire an OpenPlex.

Certification

A diploma is delivered at the end of the course.

Learning method

Theoretical presentation and instruments practice.

Course language

English

Objectives

- Learn how to optimize the experimental conditions according to the interaction to be analyzed.
- Learn how to make biochip spotting.
- Master the use of OpenPlex.
- Learn how to analyze a kinetic data.



PROGRAM

Day 1

- Choose the right surface chemistry as a function of immobilized ligands.
- Optimize experimental immobilization conditions (spotting buffer, pH, ligand concentration, reference, duration of needle rinses / dryings, etc.).
- Master the different steps to program a spotting matrix.
- Perform spotting.

Day 2

- Optimize the SPRi experimental conditions according to the interaction to be analyzed (buffer, temperature, duration of kinetics, flow rate, regeneration, ...).
- Master the use of OpenPlex.
- Study of a DNA / DNA interaction.
- Analysis of the data, and description of the different analysis software. Introduction to kinetics of interaction: What is a «good» kinetic?