SYLLABUS DEL CORSO

Introduzione a MALDI-MSI

2324-76R-MALDI-MSI-INTRO

Title

An introduction to MALDI-MSI

Teacher(s)

Fulvio Magni

Language

Italian/English

Short description

Matrix-assisted laser desorption/ionisation (MALDI) is one of the most widely applied Mass Spectrometry Imaging (MSI) techniques owing to its capability to analyse a wide range of bioanalyte classes (xenobiotics, metabolites, lipids, glycans and proteins). As such, the technique is a highly valuable tool in the field of biomedicine given that it is able to visualise cells within their native spatial context, mapping molecular alterations within heterogeneous and complex pathological environments. In this course, the participants will receive:
? An overview of the theoretical aspects which underpin the various aspects of MSI
? A theoretical overview of the biostatistical approaches for the management of MALDI-MSI data

CFU / Hours

1 CFU/8 hours

Teaching period

Second semester

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING