

# Mass Spectrometry Basics

## **Ionization Methods**

ESI (soft, proteins) | MALDI (peptides, tissues)

## **Mass Analyzers**

TOF, Quadrupole, Orbitrap, Ion Trap

## **Tandem MS (MS/MS)**

Fragment ions for structural elucidation. Proteomics workflow.

## **Resolution & Accuracy**

High resolution distinguishes isotopes. ppm accuracy.