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Unleash the knowledge hidden in your data

ABOUT US

A modern, reliable and research-based company

CLOVER Bioanalytical Software is a bioinformatics company specialized in data processing for Bioanalysis and Microbial ID and other clinical diagnostics applications using **mass spectrometry** (MALDI-TOF) and **infrared spectroscopy** (FTIR) data.

We have developed CLOVER MSDAS, an online platform to process and analyze your data. CLOVER MSDAS has all machine learning tools and algorithms to build, train and validate your predicted models.

We are truly **customer-oriented**, keeping in mind the goals of our clients and the scalability of the systems. We count with experts in biomedicine, chemistry and biotechnology that speak your own language and understands your needs.

CLOVER
BioSoft
More than just ID

Clover MS Data Analysis Software

AI-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-ToF and FTIR data

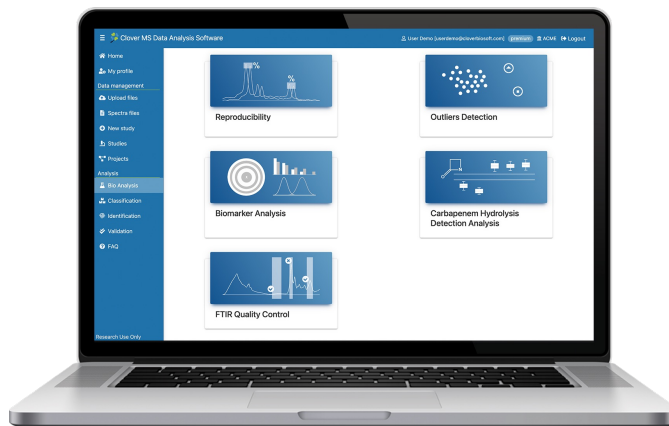## 1 Process your MALDI-TOF and FTIR spectra

Algorithms to:

- ✓ **Denoising**
- ✓ **Smooth and Derivate**
- ✓ **Baseline substraction**
- ✓ **Alignment**
- ✓ **Average Spectra builder system**
- ✓ **Peak Finding**
- ✓ **Normalization for MS and IR data**

2 Analyze your spectra

- Reproducibility
- Outliers Detection
- Biomarker Analysis
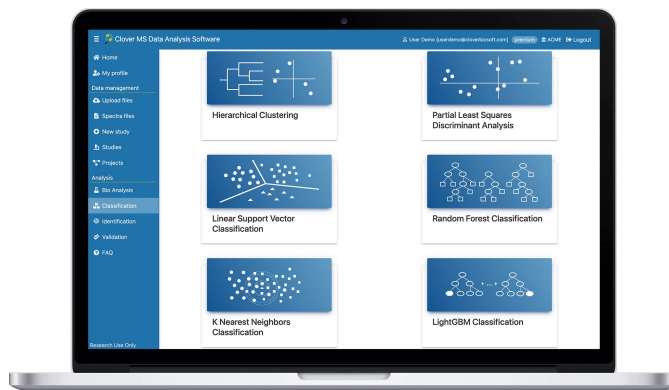- Carbapenem Hydrolysis Detection Analysis
- FTIR Quality Control

The best collection of algorithms and analysis ready for use in a clean and modern interface

3 Build and train your models

- Hierarchical Clustering
- Partial Least Squares Discriminant Analysis
- Linear Support Vector Classification
- Random Forest Classification
- K Nearest Neighbors Classification
- LightGBM Classification

Researchers from more than 45 institutions from 23 countries are already registered

CLOVER BioSoft

More than just ID

- ✓ **Support**
- ✓ **Manuals**
- ✓ **Video Tutorials**

clovermsdataanalysis.com

4 Predict

- ✓ **Save your analysis**
- ✓ **Generate reports**
- ✓ **Download or share your results online**

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