Metabolic Profiling

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FONDAZIONE EDMUND MACH

ISTITUTO AGRARIO
DI SAN MICHELE ALL'ADIGE

Provides highly specialised services in the field of metabolomics for research

→ Designed to mediate progress in science through the development of high-throughput metabolomic methods and measurements

→ applicable to plant, human, animal and cell models.

CENTRO RICERCA e INNOVAZIONE
Fondazione Edmund Mach

TECHNOLOGY

Equipped with a complete array of instruments for performing **MS-based metabolomic analyses:**

- **Acquity UPLC -Synapt Q-TOF HDMS** (Waters)
- **nano-HPLC** (Dionex) - **Orbitrap-FTMS** (Thermoscientific)
- **A set of interfaces for Orbitrap: MALDI** (Thermoscientific), **DESI** (Prosolia), **NanoMate** (Advion)
- **Acquity UPLC with Xevo** (MS/MS) **detector** (Waters)
- **GC-TOF** (Waters)
- **GC-MS/MS** (Thermoscientific)

PROJECTS

- Grape and apple metabolome with special focus on nutrition.
- Metabolic profiling of plant germplasm: apple, grape, berries etc.
- Metabolic pathways, tissue distribution and mechanisms of fruit bioactive compounds.
- Metabolic profiling of cell cultures.
- Metabolomic data analysis.

our international network

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