



Fakulta životního  
prostředí

# **Faculty of Environmental Sciences**

## Czech University of Life Sciences

### Prague

[www.fzp.czu.cz](http://www.fzp.czu.cz)





**>The faculty is housed in two new modern buildings and  
the completion of Part 3 is being prepared**





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# > **Laboratory of Environmental Geochemistry**

analyses of environmental samples with the emphasis on inorganic pollutants and analyses of novel isotope systems

TIMS (Triton, Thermo Scientific)



Laser diffraction particle size analyzer

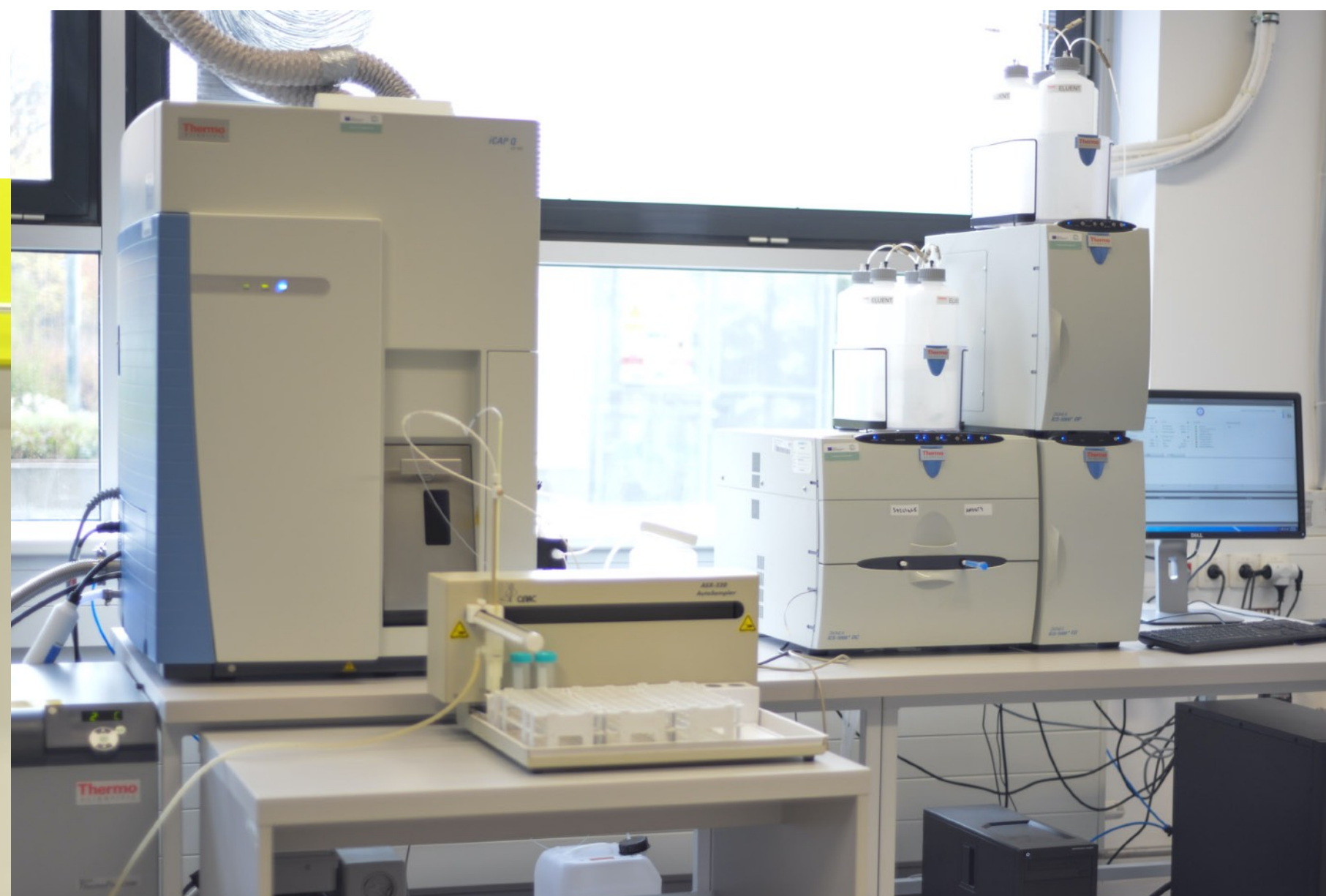
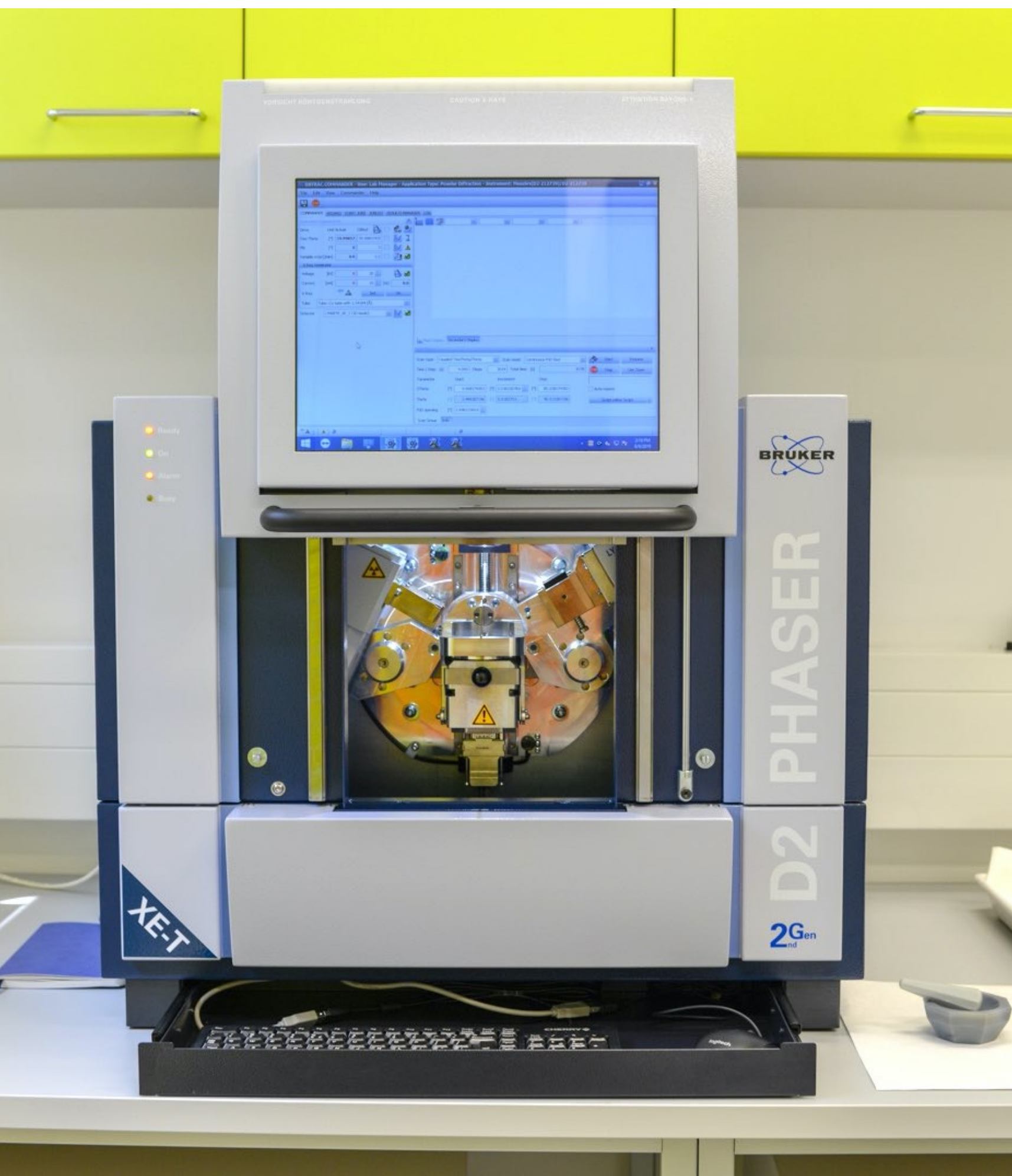




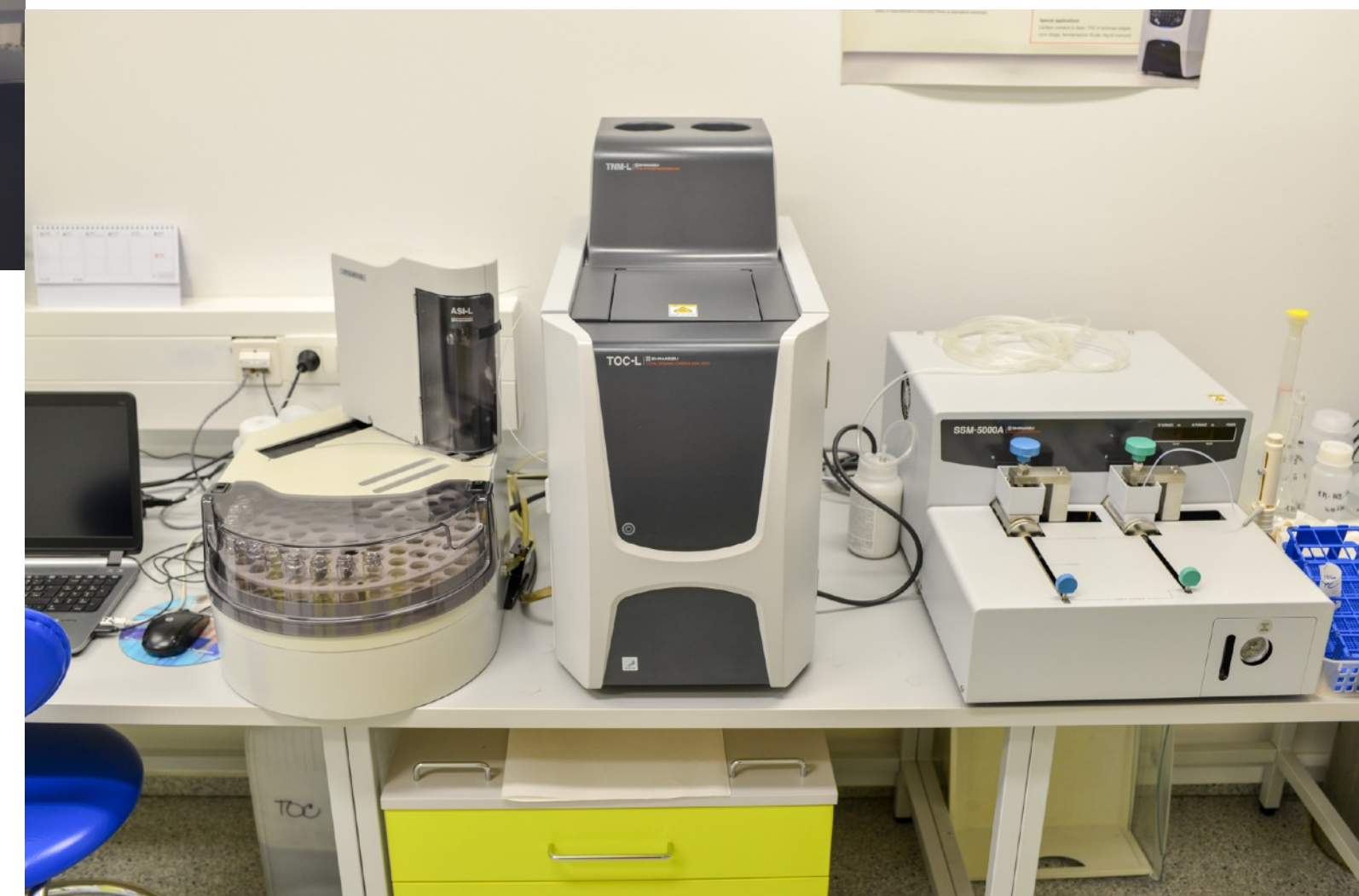
# > Laboratory of Environmental Geochemistry

analyses of environmental samples with the emphasis on inorganic pollutants and analyses of novel isotope systems

TIMS



IC-ICP MS



C/N analyzer





# >Laboratory of Molecular Genetics

core DNA analysis facility

8-capillary 3500 Genetic Analyzer





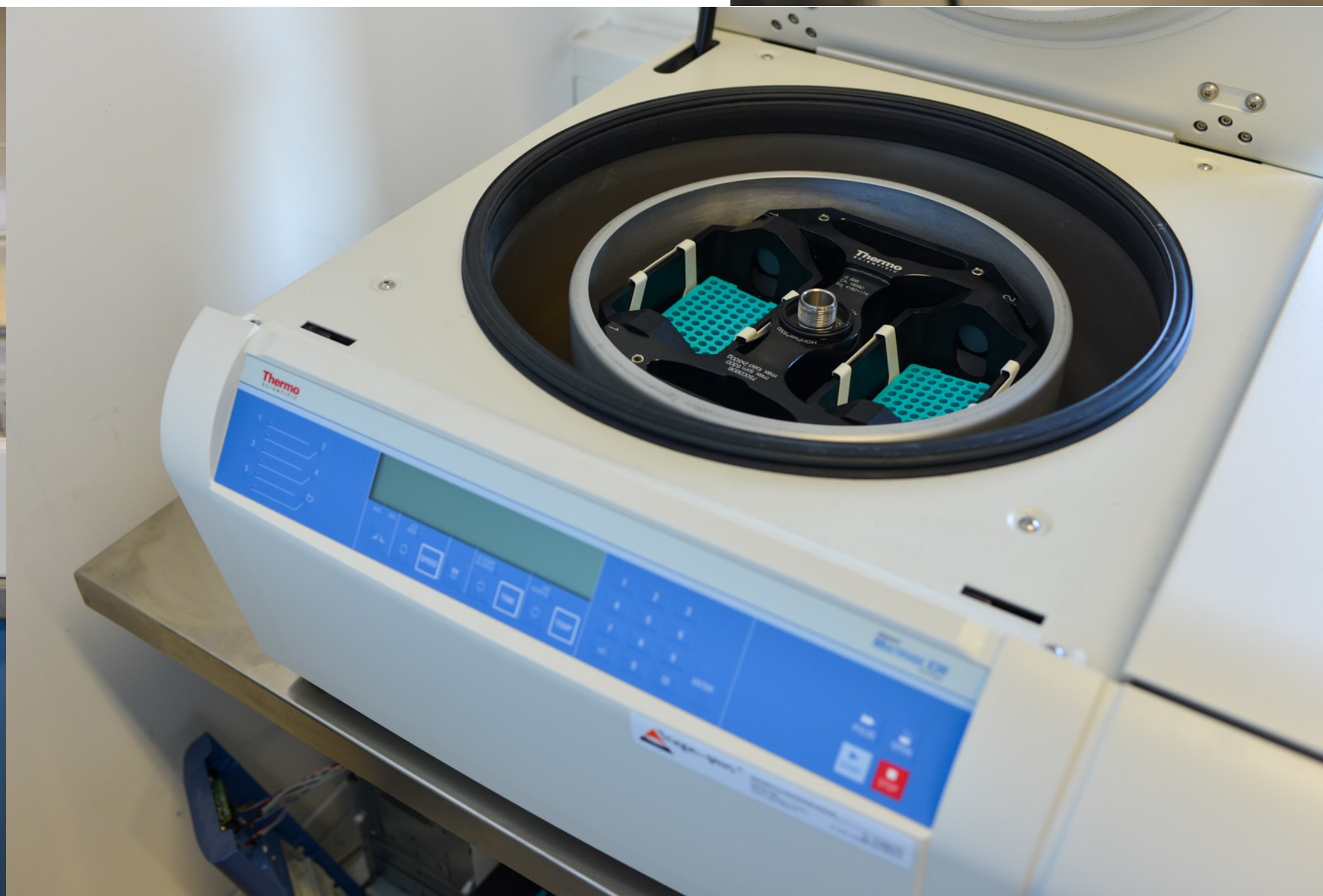
# >Laboratory of Molecular Genetics

core DNA analysis facility



Autoclave

Centrifuge Heraeus X3

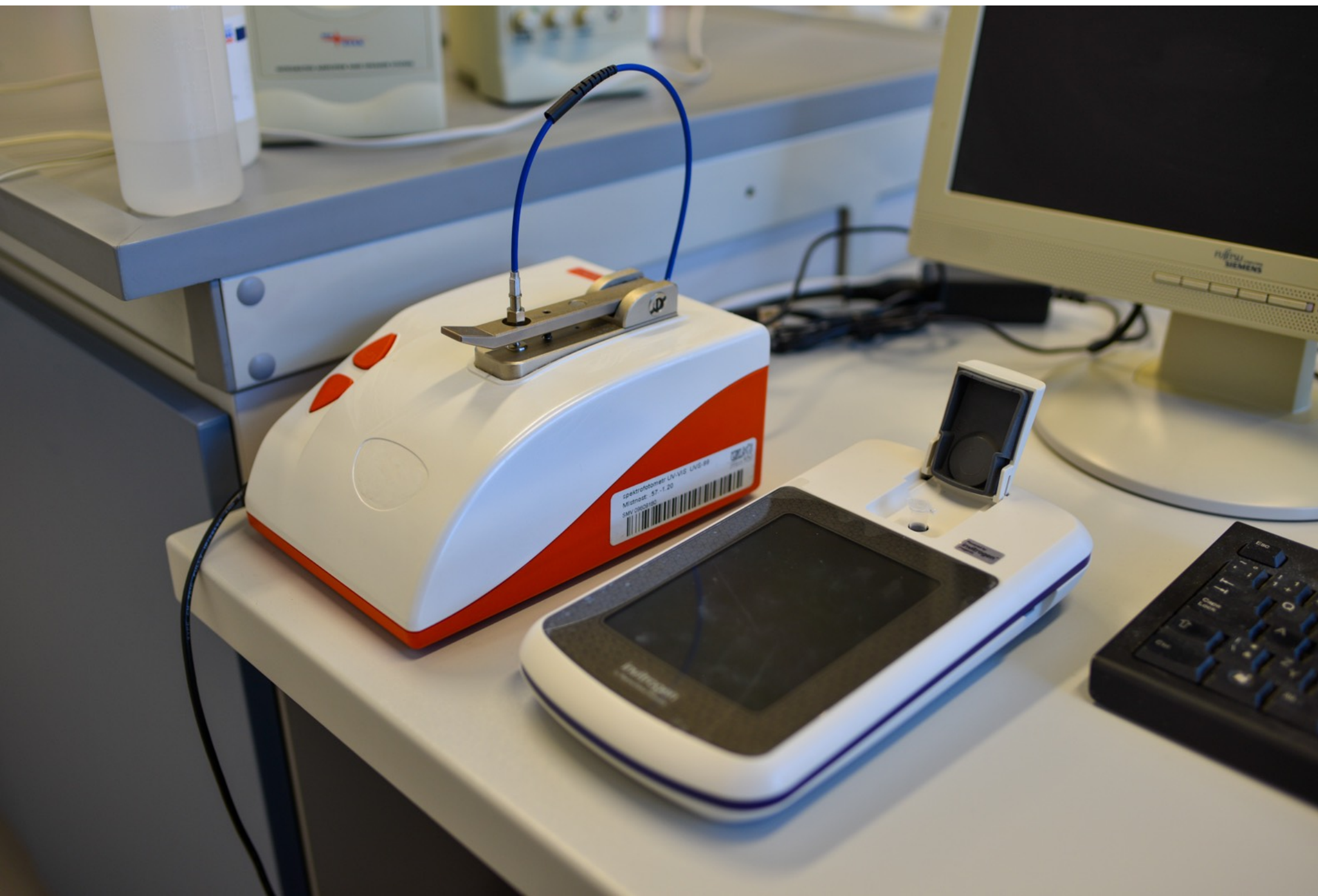




# > **Laboratory of Molecular Genetics**

core DNA analysis facility

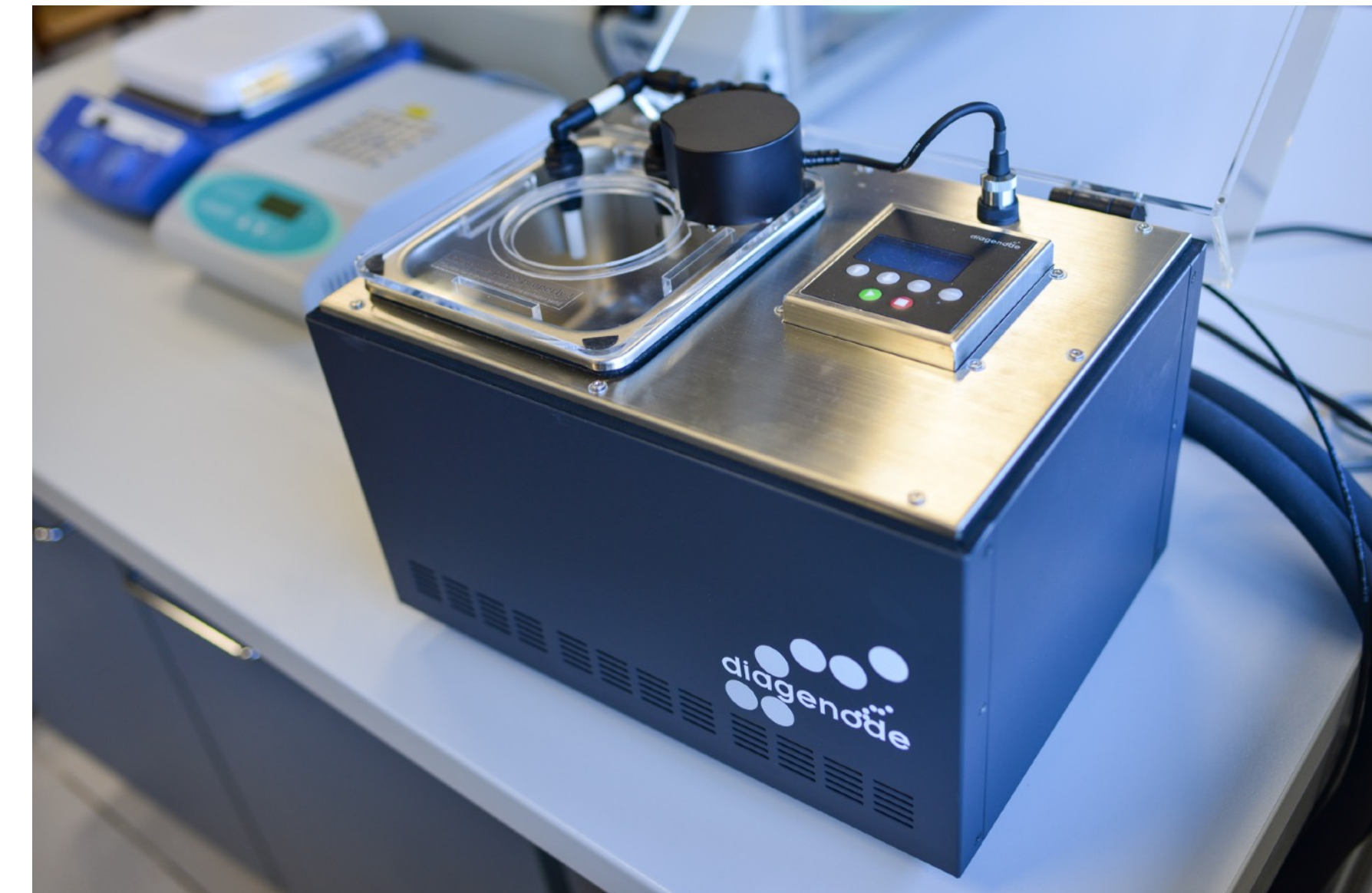
Nanodrop and Qubit



Thermal cyclers



Bioruptor Pico NGS sonication device

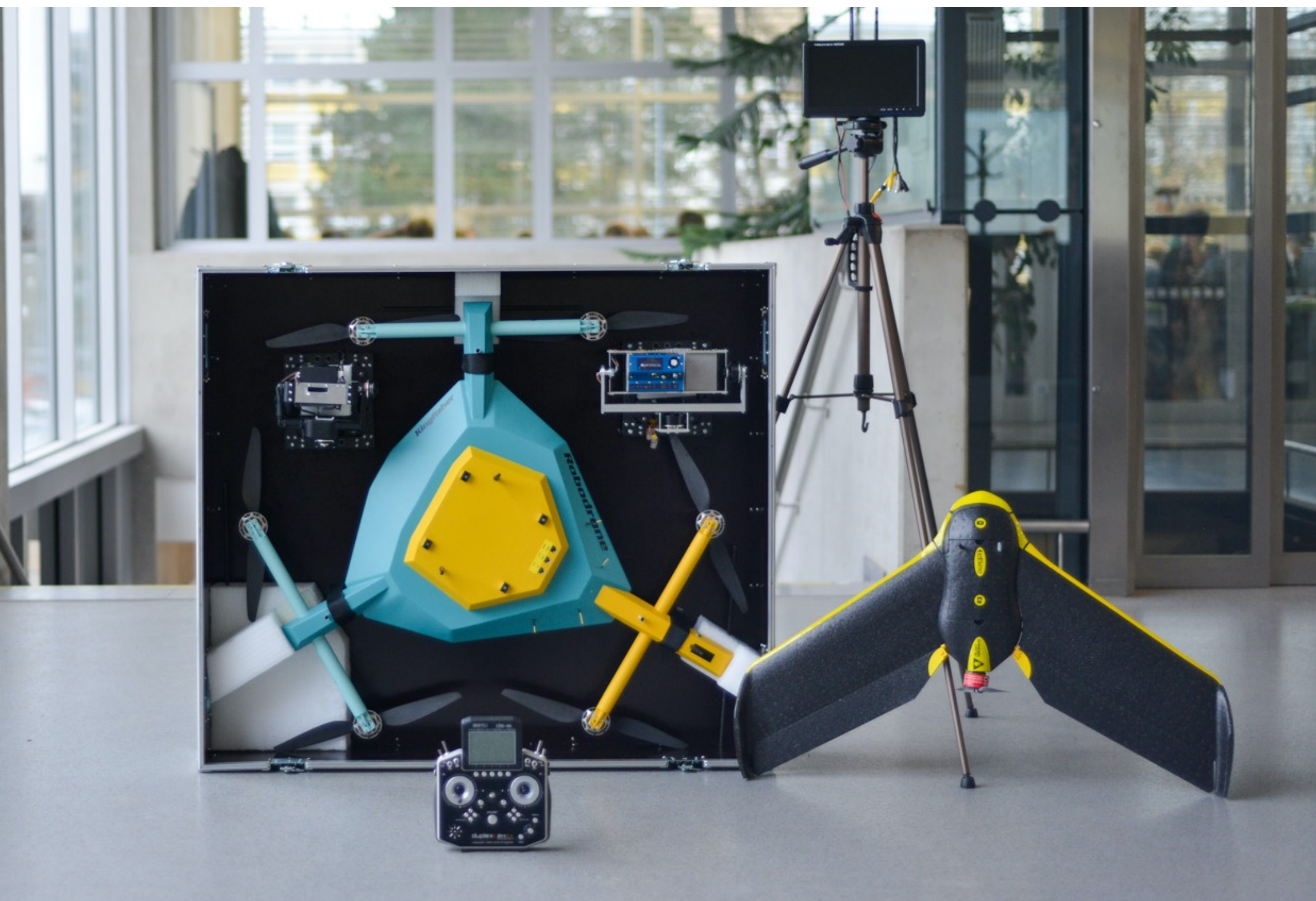




# > **Laboratory of GIS and Remote Sensing**

hardware, software and spatial data support for environmental research

Robodrone Kingfisher



SenseFly eBeeX



DJI Matrice 600 Pro



DJI Phantom 4





# > Laboratory of GIS and Remote Sensing

hardware, software and spatial data support for environmental research

GNSS geodetic apertures



SenseFly sensor



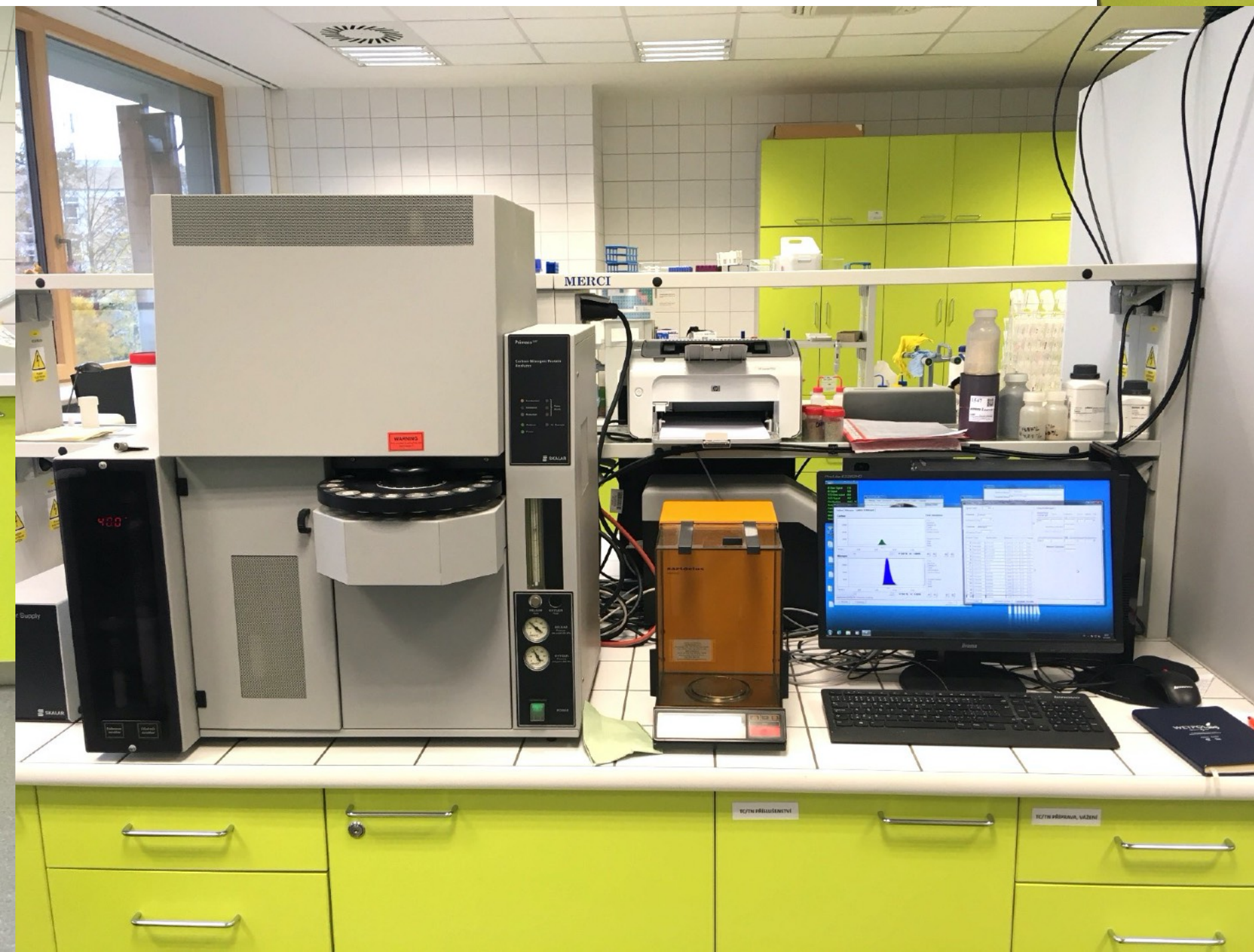
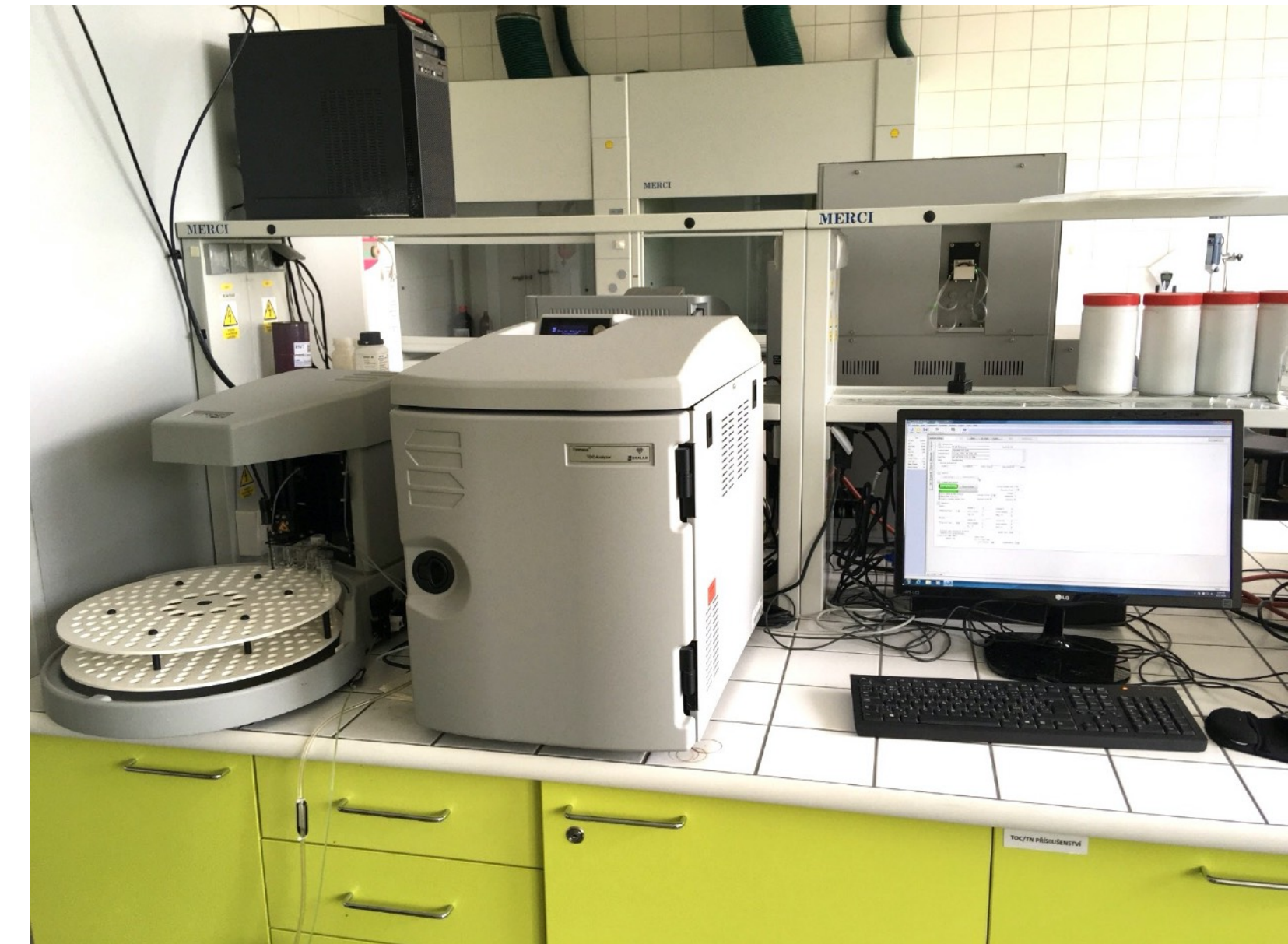


# > Laboratory of Water and Soil Chemistry

analyses of surface and waste waters, sediments and soils, and plant biomass

Atomic Absorption Spectrometer

Analyser of TN/TC





# > **Laboratory of Water and Soil Chemistry**

analyses of surface and waste waters, sediments and soils, and plant biomass

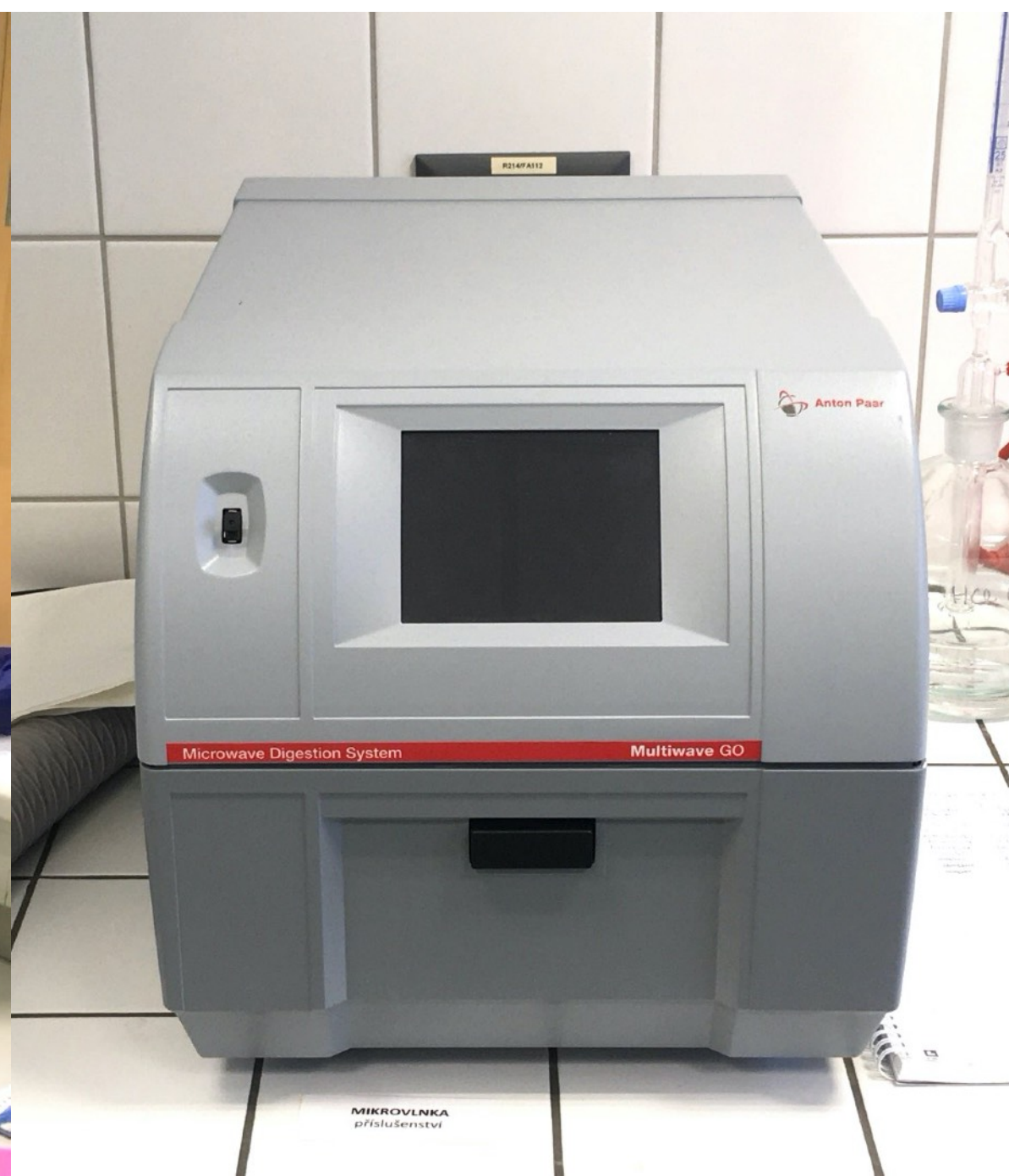
Vertical-flow mesocosms



Liquid chromatography



Microwave digestion system



Ionic chromatography

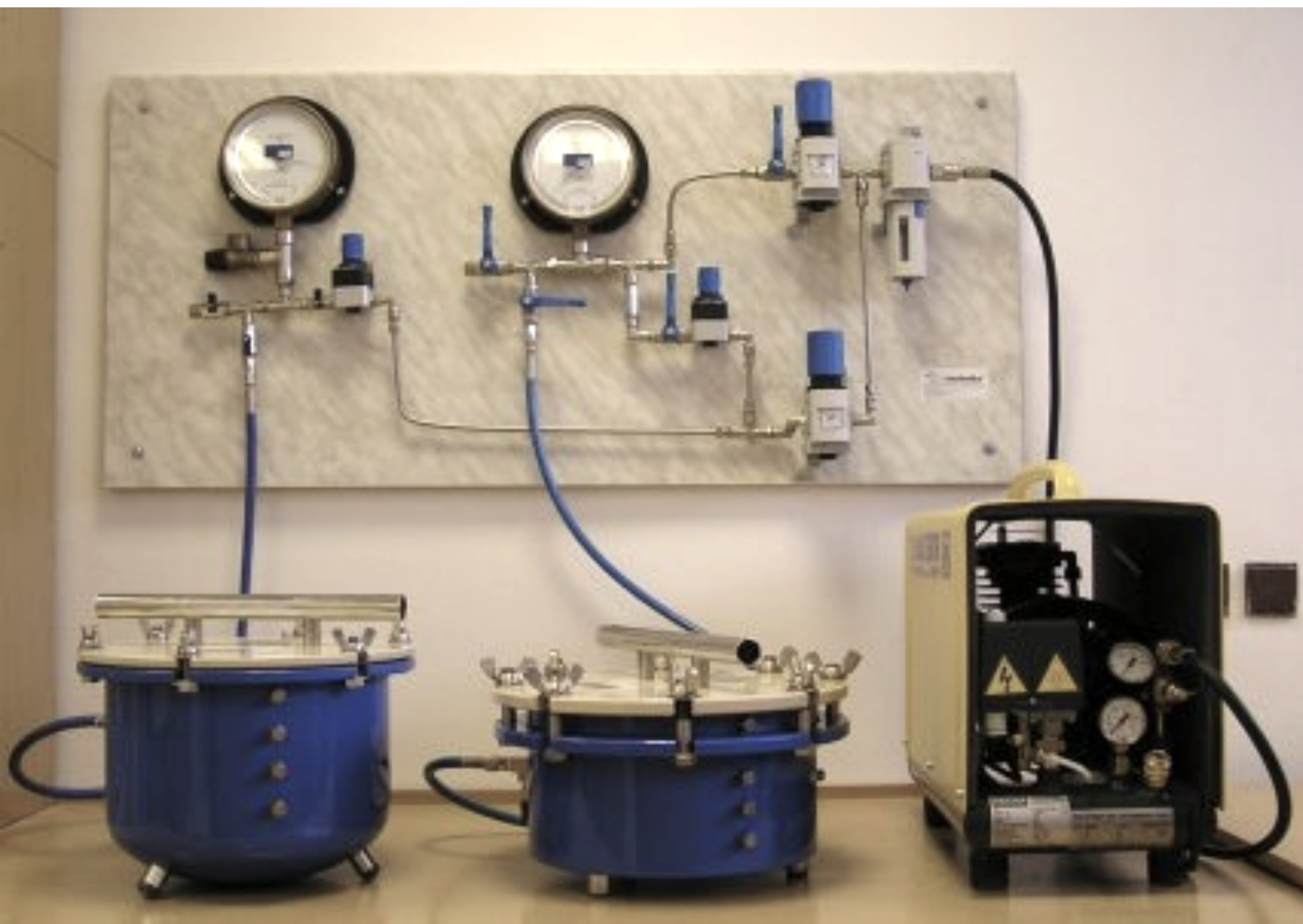




# > **Laboratory of Water Flow in Porous Media**

measurements of hydraulic and related physical properties of soils and porous media

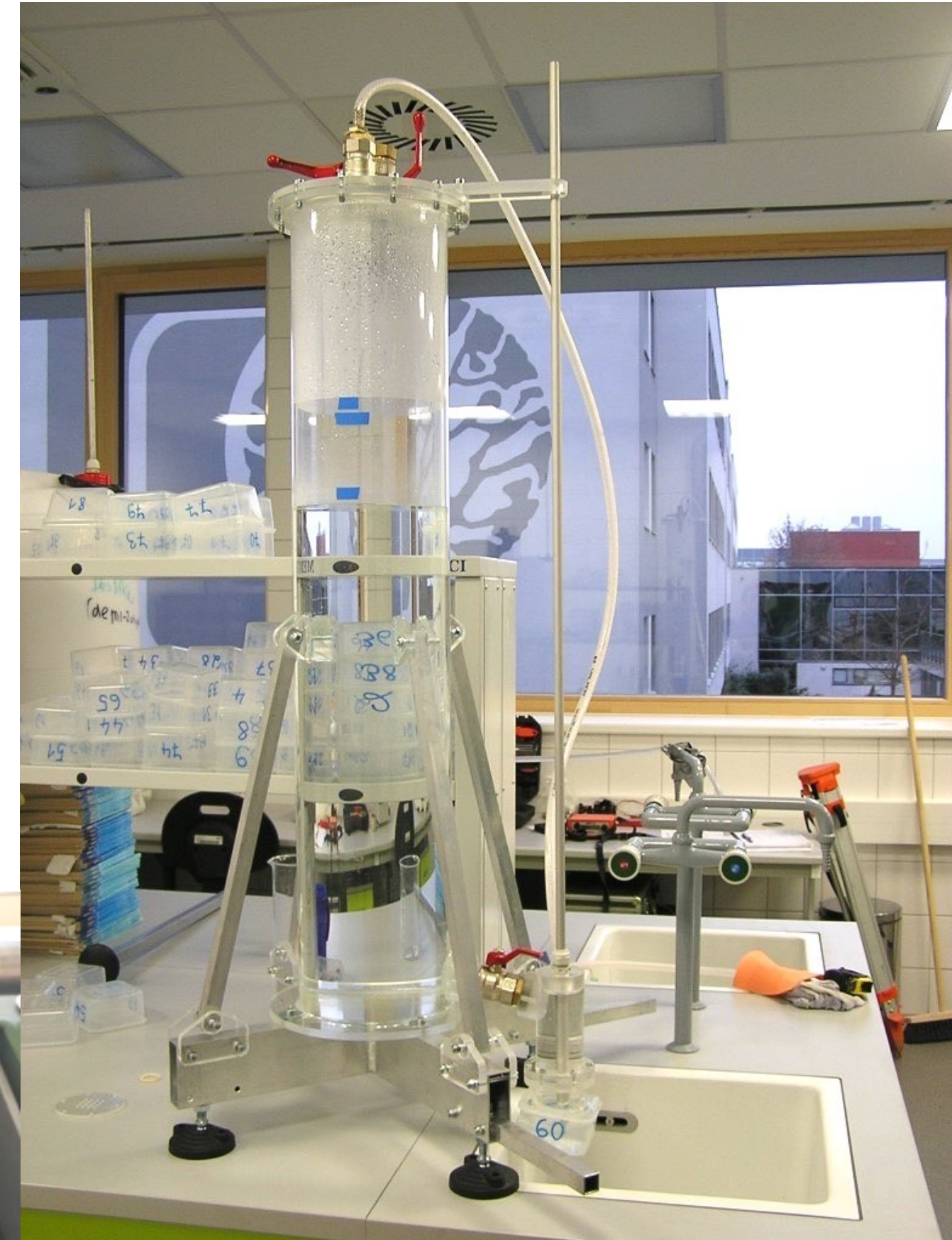
Pressure plate apparatus



Laboratory permeameter



Infiltrrometer

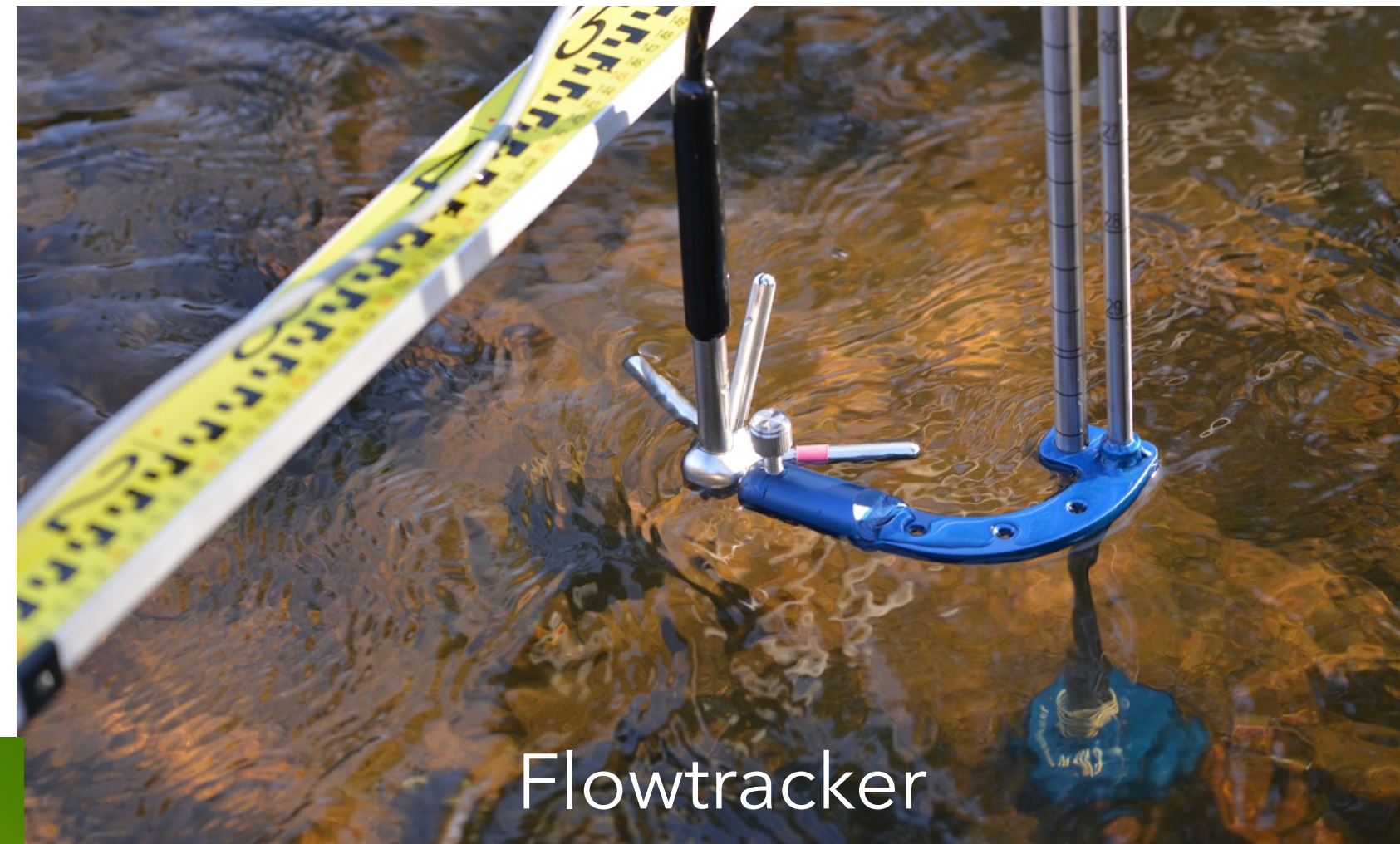




# >Laboratory of Sensors and Monitoring Devices

state-of-the-art measurement  
of hydrological processes

River Surveyor M9



Flowtracker



Hydroboard





## >Field equipment - Amálie

development, demonstration and validation of "Smart landscape concept"

Eddy covariance

Dendrometer



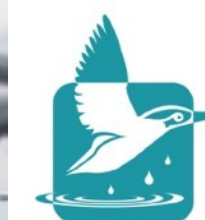
Scintillometer



Scintillometer



Groundwater monitor





## >Field equipment - Trhové Dušníky

measurements and apparatus usable for continuous sampling  
and measuring of porewater, soil and atmosphere

Weather station (pyronometer, barometer, rain gauge)



Porewater sampler





# >Field equipment - Department of Ecology

Radio telemetry



Bluetooth chip



RFID chip reader



Camera trap



RTG spectrometer

