



# Hands-on Course in Ultrafast Sample Treatment for Proteomics

26<sup>th</sup> - 27<sup>th</sup>

April 2021

XIV edition

## Module I - Theory

Fundamentals of High-Resolution Mass Spectrometry-based Proteomics

Sample preparation for Mass Spectrometry-based Proteomics

Ultrasonic-assisted digestions - Proteosonics

Protein identification by Mass Spectrometry

nanoESI-QTOF and Label Free Quantification

## Module II - Hand-on

Sample preparation: high throughput in-solution digestion

Data acquisition and analysis: Protein identification and quantification

Data analysis: Perseus and Cytoscape

The course is 40% hands-on in the laboratory (live video streaming, participants work in their own laboratory) | 40% bioinformatic tools and 20% theory.

Participants need to have access to one laboratory. All samples and necessary reagents are delivered by us.

The course is based on the following recently published work:

***Ultrasonic-Based Filter Aided Sample Preparation as the General Method to Sample Preparation in Proteomic.***

Registration fees: 560€\*

Special rates for groups.

Online version

Live stream <sup>ψ</sup>

To register please contact:

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Subject: Proteomics course

WhatsApp contact:

Prof. J.L. Capelo  
+ 351 919 404 933

Web:

<https://courses.bioscopegroup.org/>

<https://youtu.be/Oli4WIPq-0w>

\* Registration fee includes: Course manual and a lab package with all the solutions needed.

<sup>ψ</sup> Online sessions will be delivered via zoom.