



universidade
de aveiro

LAQV-REQUIMTE
& CESAM

PRACTICAL COURSES ON MASS SPECTROMETRY

ADVANCED COURSE IN LIPIDOMICS

UNIVERSITY OF AVEIRO
DEPARTMENT OF CHEMISTRY
MAY 4-6, 2020

4TH
EDITION

REGISTER NOW

FCT Fundação
para a Ciência
e a Tecnologia



COURSE GOALS

The course is intended for graduate and postgraduate students and professionals who wish to learn about modern mass spectrometry-based analytic strategies for the analysis of lipids in biological systems, and are willing to gather more information on modern analytical tools.

This is a 3-day course that includes hands-on practical work in different mass spectrometers (MS and LC-MS), lectures, data analysis and mass spectra interpretation. Practical exercises will provide fundamental skills to understand fragmentation pathways and evaluate the quality of mass spectra.

This is a valuable opportunity to learn the fundamentals and applications of lipidomics and to keep up with the last technology.

PARTICIPANTS

PhD students, researchers and other professionals interested in working with mass spectrometry in the field of lipids. Basic knowledge on mass spectrometry is required.

Limited to 15 participants.



COURSE MENU

DAY 1

LECTURES

LIPIDS - STRUCTURE AND BIOLOGICAL
ROLE
LIPIDOMICS WORKFLOW
INTERPRETATION OF MS AND MS/MS
SPECTRA OF DIFFERENT LIPID CLASSES

DAY 2

PRACTICAL SESSIONS

ACQUISITION OF MS AND MS/MS
SPECTRA OF LIPIDS
MS DATA ANALYSIS
EXERCISES

DAY 3

PRESENTATION AND DISCUSSION OF
RESULTS

9TH WORKSHOP IN LIPIDOMICS

REGISTRATION FEES

Professionals	430€
RNEM Members	350€
Post-graduate students*	280€

*PhD students and Post-docs

Payment deadline: April 27th 2020

If you are interested in participating, please contact:
Dr. Cristina Barros (cbarroso@ua.pt
or +351 234 370 692)