

5<sup>th</sup> International Conference on

# Proteomics & Bioinformatics

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## Mass spectrometry approach for characterization of biotherapeutics from a CRO point of view

The lecture will be mainly focalised in the structural characterization of recombinant proteins following the recommendations of the ICH Q6B. Although several aspects of the protein characterization will also be pointed, the discussion will be focalized in the study of the primary structure of the protein by mass spectrometric methods. The quality attributes treated will be:

- Peptide mapping
- Amino acid sequence confirmation
- Mass determination of the whole molecule
- N and C terminus verification
- Posttranslational modifications

A discussion on the technical approaches for these quality attributes will be presented and examples will be provided.

## Biography

Carles Celma Lezcano did his PhD in Organic Chemistry, specifically in peptide synthesis and MS characterization. As a professional, he has more than 20 years of experience in mass spectrometry and developed his career at IPSEN Pharma as Bioanalysis Director and currently holds the position of Director of biologics at Kymos Pharma.

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