

11-11:30h: Benvinguda

11:30h-12:30h. ***Somascan: how to measure sensitively more than 1100 proteins in a targeted way and lead to new biological understanding.*** A càrrec de Nicolas Autret (Regional Manager – Southern EU de Somascan Laboratories).

12:30-13:30h. ***Quantificació multiplexada de proteïnes per tecnologia xMAP amb l'aparell Bio-plex 200.*** A càrrec de Marc Martín, Bio-rad Laboratories.

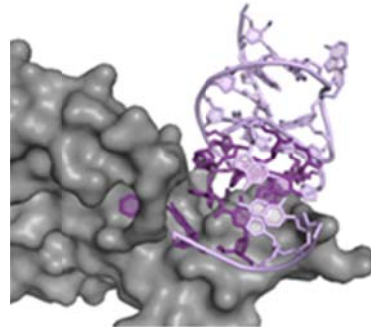
13:30-14:00h. ***Protein quantification by Mass Spectrometry and use of Skyline software.*** A càrrec de Pedro Nadal, COS.

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15 July, 11:30 am

Nicolas Autret (Regional Manager – Southern EU)

SOMASCAN : how to measure sensitively more than 1100 proteins in a targeted way and lead to new biological understanding.



Abstract: *SOMAScan redefines and extends the paradigm of protein analysis. As a targeted but broad protein measurement platform, it identifies sensitively, reproducibly and broadly 1129 proteins in a single test which is scalable to analyzing hundreds of samples in a week. This breaks the current discovery conventions. It can be applied to measurement of tiny complex samples such as blood, with reproducibility that results in <5% CVs, and has been successful in identifying new biology associated with dietary regimens, and biomarkers signatures in many various diseases, including diabetes and cardiovascular risks.*

15 July, 12:30 am

Marc Martín (System Specialist – Bio-rad Laboratories)

Quantificació multiplexada de proteïnes per tecnologia xMAP amb l'aparell Bio-plex 200g.



Abstract: *La tecnologia xMAP permet l'anàlisi simultània de molts analits en una mateixa mostra de manera ràpida, cost-efectiva i precisa. Incorpora esferes de poliestirè que internament estan marcades amb quantitats diverses de dos fluorocroms. Les diferents combinacions en les proporcions d'aquests fluorocroms són el que permeten la detecció simultània de fins a 500 analits diferents. La captura dels analits es fa mitjançant anticossos primaris i el revelat i quantificació mitjançant l'excitació dels fluorocroms gràcies a un làser. Aquesta tècnica és àmpliament emprada en recerca, en laboratoris clínics i en la indústria farmacèutica.*

15 July, 13:30 am

Pedro Nadal (Proteomics Specialist – COS)

Protein quantification by Mass Spectrometry and use of Skyline software



Abstract: *Different targeted proteomics strategies have recently emerged in the field of proteomics using mass spectrometry techniques, which enable the detection and quantification of a predetermined subset of proteins with a high degree of sensitivity and reproducibility across many samples. Skyline software is powerful tool that allows method creation and quantitative data analysis, simplifying the development of mass spectrometer methods and the analysis of data from targeted proteomics experiments performed using selected reaction monitoring (SRM).*