

NEWS:

Serum proteomic biomarkers in eye's diseases

Eye proteomics is now well developed and is supporting disease and treatments understanding. Previously, label-free LC-MS/MS was used to study glaucoma (1) through tears proteome which appeared as a very interesting source of biomarkers. Recently, a new study by Guo and all. (2) showed that label-free LC-MS/MS could be very efficient in showing over and under-expressed proteins in autoimmune uveitis conditions, this time in sera directly. Both tear or serum samples can be used for biomarker study of eye's diseases in LC-MS/MS proteomics.

(1) Proteomic profiling of inflammatory signaling molecules in the tears of patients on chronic glaucoma medication. Wong TT and all. 2011

<http://www.ncbi.nlm.nih.gov/pubmed/21697136>

(2) Proteomic analysis of rat plasma with experimental autoimmune uveitis based on label-free liquid chromatography-tandem mass spectrometry (LC-MS/MS) Guo D and all. 2015 <http://www.ncbi.nlm.nih.gov/pubmed/25497495>

High-resolution nano LC-MS/MS quantitative proteomics and CORAVALID™ data processing: The efficient tool for discovery

High-resolution MRM nano LC-MS/MS quantitative proteomics: The efficient tool for follow-up

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