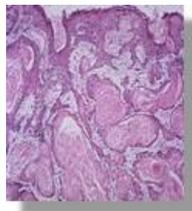


NEWS:



FFPE proteomics to enhance diagnostic biomarker and therapeutic target discovery

Protein profiling of formalin-fixed paraffin-embedded (FFPE) tissues has enormous potential for the discovery and validation of disease biomarkers. State-of-the-art LC-MS/MS proteomics (1) (2) (3) techniques offer an unbiased exploratory approach, which if applied to tissue repositories, may enhance our understanding of disease pathogenesis and pathophysiology, potentially identifying novel targets for immunohistochemistry analysis. Particularly nanoLC-MS/MS proteomics needs small amounts of sample (16mm² x 5µm) to find differentially-expressed proteins which can be further analyzed to understand effects.

- (1) Proteomic analysis of formalin-fixed paraffin-embedded renal tissue samples by label-free MS: assessment of overall technical variability and the impact of block age. Craven RA and all. 2013 <http://www.ncbi.nlm.nih.gov/pubmed/23027403>
- (2) A proteomic comparison of formalin-fixed paraffin-embedded pancreatic tissue from autoimmune pancreatitis, chronic pancreatitis, and pancreatic cancer. Paulo JA and all. 2013 <http://www.ncbi.nlm.nih.gov/pubmed/23846938>
- (3) Quantitative label-free mass spectrometry analysis of formalin-fixed, paraffin-embedded tissue representing the invasive cutaneous malignant melanoma proteome. Dowling P and all. 2016 <https://www.ncbi.nlm.nih.gov/pubmed/27899996>

With MS-Phylogene, you can also characterize your FFPE and understand the effects

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

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