IPD Project Details

Project ID: IPD2524

Project Title: Global proteomic profiling of meningioma cohort

Description: Global proteomic profiling of meningiomas using LFQ approach to identify biomarkers in meningioma patients

Principal Investigator: Dr Sanjeeva Srivastava

PI Affiliation: PI BSBE PROTEOMICS LAB IIT BOMBAY

Sample Preparation: The brain tissue samples were surgically resected

Peptide Separation: Urea lysis of surgically resected brain tissue samples with trypsinization using Trypsin followed by clean up using C18 catridges. Drying of peptides followed by reconstitution in 0.1% FA. Sample run in Q-EXactive Mass Spectrometry

Protein Characterization: The .raw files were analysed using Proteome Discoverer 2.2, Data normalized against total peptide intensity and Log2 conversion of normalized abundances

Experiment Type: Shotgun proteomics

Species: Homo sapiens - 9606

Tissue: Epithelial cell (bto:0000414), Brain (bto:0000142)

Cell Type:

Disease: Brain cancer (doid:1319)

Instrument Details: Q Exactive (MS:1001911)

Protein Modifications: phosphorylated residue, iodoacetamide derivatized residue

PubMed ID: