IPD Project Details

Project ID: IPD2311

Project Title: medulloblastoma label free proteome analysis from an Indian subpopulation

Description: The label free tissue proteomic analysis of medulloblastoma proteome was perfomed for the identification of protein markers for the developinment of IHC markers for the diagnostic purpose. The pathway al;tyerations and protein signatures of G3 tumor is the major focus.

Principal Investigator: Dr Sanjeeva Srivastava

PI Affiliation: PI, Lab head, Professor, BSBE

Sample Preparation: Tg eurea lysis buffer and Benzonse for the endogenous prtienase inhibitors are containg buffer used for the extraction.

Peptide Separation: Trypsin based enzynaitic digestion was follwed byziptiiping

Protein Characterization: The proteome Discoverer 2.2 has implemented for the raw data processing with high stringent FDR of !%. The human uniprot data base was down loaded from the uniprot site. The contaminant data base was incorporated. The mascot and Sequest were used as search engines.

Experiment Type: Shotgun proteomics

Species: Homo sapiens -9606

Tissue: Brain (bto:0000142)

Cell Type: Early embryonic cell (metazoa) (cl:0000007)

Disease: Brain cancer (doid:1319)

Instrument Details: Orbitrap Fusion (MS:1002416)

Protein Modifications: iodoacetamide derivatized residue

PubMed ID: