

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 performed for the identification of protein markers for the development of IHC markers for the diagnostic purpose. The pathway alterations 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 urea lysis buffer and Benzose 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: