



長庚大學生物醫學研究所

Chang Gung University, Graduate Institute of Biomedical Sciences

博士學位論文公開演講

Doctoral Oral Defence Seminar

Speaker : Srinivas Dash Ph.D. candidate

Host : 游佳融 教授

題 目 Title : 以系統性分析癌細胞外泌體膜蛋白質群
及標靶定量質譜術研發新穎大腸直腸癌
血液生物標記

Extracellular vesicle membrane protein
profiling and targeted mass spectrometry
unveil CD59 and tetraspanin 9 as novel
plasma biomarkers for detection of
colorectal cancer

時 間 Time : 13:00-15:00 Jan. 4th 2023

地 點 Place : on line

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name: Srinivas Dash

Education:

Master of Science (M.Sc.), Medical Biotechnology, Utkal University, Odisha, India

Bachelor of Science (B.Sc.), Biotechnology, Bangalore University, Karnataka, India

Publication:

1. Wu CC, Lu YT, Yeh TS, Chan YH, Dash S, Yu JS. Identification of Fucosylated SERPINA1 as a Novel Plasma Marker for Pancreatic Cancer Using Lectin Affinity Capture Coupled with iTRAQ-Based Quantitative Glycoproteomics. *Int J Mol Sci.* 2021 Jun 4;22(11):6079. doi: 10.3390/ijms22116079. PMID: 34199928; PMCID: PMC8200073.
2. Liu JC, Chen YT, Hsieh YJ, Wu CC, Huang MC, Hsu YC, Wu CT, Chen CK, Dash S, Yu JS. Association of urinary ketamine and APOA1 levels with bladder dysfunction in ketamine abusers revealed via proteomics and targeted metabolite analyses. *Sci Rep.* 2021 May 5;11(1):9583. doi: 10.1038/s41598-021-89089-4. PMID: 33953300; PMCID: PMC8099891.
3. Chang YT, Chu LJ, Liu YC, Chen CJ, Wu SF, Chen CH, Chang IY, Wang JS, Wu TY, Dash S, Chiang WF, Chiu SF, Gou SB, Chien CY, Chang KP, Yu JS. Verification of Saliva Matrix Metalloproteinase-1 as a Strong Diagnostic Marker of Oral Cavity Cancer. *Cancers (Basel).* 2020 Aug 13;12(8):2273. doi: 10.3390/cancers12082273. PMID: 32823758; PMCID: PMC7463746.
4. Kuo SM, Chen GW, Velu AB, Dash S, Han YJ, Tsao KC, Shih SR. Circulating pattern and genomic characteristics of influenza B viruses in Taiwan from 2003 to 2014. *J Formos Med Assoc.* 2016 Jul;115(7):510-22. doi: 10.1016/j.jfma.2016.01.017. Epub 2016 Mar 30. PMID: 27038555

Posters:

1. "Discovery and verification of membrane-associated exosomal proteins as novel plasma biomarkers for early detection and disease monitoring of colorectal cancer patients". China Medical University, Taichung and Chang Gung University, Taiwan.
2. "Extracellular vesicle membrane protein profiling and targeted mass spectrometry unveil CD59 and tetraspanin 9 as novel plasma biomarkers for detection of colorectal cancer". Chang Gung University, Taiwan