
BIOGRAPHICAL SKETCH

NAME in English Jau-song Yu	POSITION TITLE Professor, Graduate Institute of Biomedical Sciences		
NAME in Chinese 余光松			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Dept. of Chemistry, National Chen Kong University, Taiwan, R.O.C.	B.S.	06/84	Chemistry
Institute of Life Sciences, National Tsing Hua University, Taiwan, R.O.C.	Ph.D.	06/89	Biochemistry
Institute of Biomedical Sciences, National Tsing Hua University, Taiwan, R.O.C.	Postdoctoral	01/94	Protein kinase-mediated signal transduction

A. Positions and Honors

Positions and Employment

- 1994/08~2001/07 Associate Professor, Department of Cell and Molecular Biology, Chang Gung University, Tao-Yuan, Taiwan, R.O.C.
- 2001/08~ Professor, Department of Cell and Molecular Biology, Medical College of Chang Gung University, Tao-Yuan, Taiwan, R.O.C.
Director, Core Instrument Center, Chang Gung University, Tao-Yuan, Taiwan, R.O.C.

Other Experience and Professional Memberships

- 2002-now Committee member for Chang Gung Medical Research Program, Chia-Yi Division.
- 2006-now Committee member for Chang Gung Medical Research Program, Lin-Kuo Division.

Invited Reviewer for Journals:

- Medical Science Monitor (2003/10, 2004/2, 2005/11)
Free Radical Research (2003/7)
Journal of Biomedical Science (2005/11, 2010/2, 2010/4, 2010/5, 2011/4, 2011/7, 2011/11)
Proteomics (2006/12, 2012/6)
Molecular and Cellular Biochemistry (2007/1)
Laboratory Investigation (2007/2)
Chang Gung Medical Journal (2007/7, 2007/8)
Biomedical Journal (2014/7)
Acta Pharmacologica Sinica (2007/9)
Virology-Research and Treatment (2008/3)
Mol Cancer Therapy (2008/5)
Pharmacological Reports (2008/5)
Journal of Proteomics & Bioinformatics (2008/9, 2008/11, 2009/7)
BMC Genomics (2009/3)
Pancreatology (2009/4)
Analytical Letters (2009/8)

Journal of Cellular Biochemistry (2009/9, 2010/5)
BMC Cancer (2009/11)
PLoS ONE (2009/11)
International Journal of Integrative Biology (2010/2)
Journal of Proteome Research (2010/8, 2013/5, 2013/11, 2014/7)
International Journal of Proteomics (2010/10)
Clinical Chemistry (2010/10)
Environmental Toxicology (2011/3, 2013/10, 2014/5)
Anal Chem (2011/4, 2013/9)
Cancer Res (2011/9)
Expert Review of Proteomics (2011/10)
British J Cancer (2012/2, 2012/12)
Journal of Cell Biology (2012/4)
Cancer Science (2012/5)
International Journal of Molecular Sciences (2012/8)
BMC Biochemistry (2012/8)
Proteomics - Clinical Applications (2013/2, 2013/9)

Editor for Journals:

Chang Gung Medical Journal (since 2004/4, as Editorial Board Member)

Honors

1995, 1997-2001 National Science Council Grade A Research Award

B. Selected Peer-reviewed Publications (2009-2014) (in chronological order)

(* , corresponding author)

71. Chi L-M, Lee C-W, Chang K-P, Hao S-P, Lee H-M, Liang Y, Hsueh C, Yu C-J, Lee I-N, Chang Y-J, Lee S-Y, Yeh Y-M, Chang Y-S, Chien K-Y*, **Yu J-S*** (2009) Enhanced interferon signaling pathway in oral cancer revealed by quantitative proteome analysis of microdissected specimens using ¹⁶O/¹⁸O labeling and integrated 2DLC-ESI-MALDI tandem MS. **Mol. Cell. Proteomics** 8:1453-1474. (SCI) (IF 8.354, BIOCHEMICAL RESEARCH METHODS 5/71)
72. Chen L-C, Liu H-P, Li H-P, Hsueh C, **Yu J-S**, Liang C-L, Chang Y-S* (2009) Thymidine phosphorylase mRNA stability and protein levels are increased through ERK-mediated cytoplasmic accumulation of hnRNP K in nasopharyngeal carcinoma cells. **Oncogene** 28(17):1904-15. (SCI) (IF 7.414, ONCOLOGY 15/184)
73. Dong Y, Leu Y-L, Chien K-Y, **Yu J-S*** (2009) Separation and determination of low abundant flavonoids in *Scutellaria baicalensis* Georgi by micellar electrokinetic capillary electrophoresis. **Anal. Lett.** 42(10):1444 -57. (SCI) (IF 0.902, CHEMISTRY, ANALYTICAL 53/71)
74. Wang C-L, Wang C-I, Liao P-C, Liang Y, Chen C-D, Liang Y, Chuang W-Y, Tsai Y-H, Chen H-C, Chang Y-S, **Yu J-S**, Wu C-C*, Yu C-J* (2009) Discovery of retinoblastoma-associated binding protein 46 as a novel prognostic marker for distant metastasis in non-small cell lung cancer by combined analysis of cancer cell secretome and pleural effusion proteome. **J. Proteome Res.** 8(10):4428-4440. (SCI) (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)
75. Wu H-Y, Tseng VSM, Chen L-C, Ping P, Chang Y-C, Tsay Y-G, **Yu J-S**, Liao P-C* (2009) Combining alkaline phosphatase treatment and LTQ/Orbitrap high mass accuracy LC-MS data for the efficient and confident identification of protein phosphorylation. **Anal. Chem.** 81(18):7778-87. (SCI)(IF 5.874, CHEMISTRY, ANALYTICAL 3/71)
76. Fang K-H, Kao H-K, Cheng M-H, Chang Y-L, Tseng N-M, Huang Y-C, Lee L-Y, **Yu J-S**, Hao S-P, Chang K-P* (2009) Histological differentiation of primary oral squamous cell carcinomas in betel quid prevalent area. **Otolaryngology-Head and Neck Surgery.** 2009 Dec;141(6):743-749. (SCI)(IF 1.565, OTORHINOLARYNGOLOGY 12/41)
77. Chang Y-H, Wu C-C, Chang K-P, **Yu J-S**, Liao P-C* (2009) Cell secretome analysis using hollow fiber culture system leads to the discovery of CLIC1 protein as a novel plasma marker for nasopharyngeal carcinoma. **J. Proteome Res.** 2009 Dec; 8(12):5465-5474. [PubMed] (SCI) (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)

78. Hsu R-M, Tsai M-H, Hsieh Y-J, Lyu P-C, **Yu J-S*** (2010) Identification of MYO18A as a novel interacting partner of PAK2/ β PIX/GIT1 complex and its potential function in modulating epithelial cell migration. **Mol. Biol. Cell** 2010 Jan; 21(2), 287–301, Epub 2009 Nov 18. [PubMed] (SCI) (IF 5.861, CELL BIOLOGY 42/177)
79. Hung MS, Mao JH, Xu Z, Yang CT, **Yu JS**, Harvard C, Lin YC, Bravo DT, Jablons DM*, You L* (2011) CUL4A is an oncogene in malignant pleural mesothelioma. **J. Cell. Mol. Med.** 15(2), 350-358. Epub 2009 Nov 19. [PubMed] (SCI)(IF 4.608, MEDICINE, RESEARCH & EXPERIMENTAL 18/106)
80. Wu C-C, Hsu C-W, Chen C-D, Yu C-J, Chang K-P, Dai D-I, Liu H-P, Su W-H, Chang Y-S, **Yu J-S*** (2010) Candidate serological biomarkers for cancer identified from the secretomes of 23 cancer cell lines and the human protein atlas. **Mol. Cell. Proteomics** 2010 Jun; 9(6), 1100-1117. Epub 2010 Feb 1. [PubMed] (SCI) (IF 8.354, BIOCHEMICAL RESEARCH METHODS 5/71)
81. Kao S-H, Hsu T-C, **Yu J-S**, Chen J-T, Li S-L, Lai W-X, Tzang B-S* (2010) Proteomic analysis for the anti-apoptotic effects of cystamine on apoptosis-prone macrophage. **J. Cell. Biochem.** 2010 Jun 1; 110(3):660–670. [PubMed] (SCI) (IF 3.122, BIOCHEMISTRY & MOLECULAR BIOLOGY 125/286)
82. Chen J-S*, Chen K-T, Fan W-C, **Yu J-S**, Chang Y-S, Chan E-C* (2010) Combined analysis of survivin autoantibody and carcinoembryonic antigen biomarkers for improved detection of colorectal cancer. **Clin. Chem. Lab. Med.** 2010 May; 48(5):719-25. [PubMed] (SCI)(IF 2.069, MEDICAL LABORATORY TECHNOLOGY 9/30)
83. Zhai H-L*, Chang Y-T, Wu C-C, **Yu J-S*** (2010) An approach to the elimination of inter-individual variability in tumor detection. **Analyst** 2010 May; 135, 875-879. Epub 2010 March 4 [PubMed] (SCI)(IF 3.913, CHEMISTRY, ANALYTICAL 8/71)
84. Chang K-P, Wu C-C, Chen H-C, Chen S-J, Peng P-H, Tsang N-M, Lee L-Y, Liu S-C, Liang Y, Lee, Y-S, Hao S-P, Chang Y-S, **Yu J-S*** (2010) Identification of candidate nasopharyngeal carcinoma serum biomarkers by cancer cell secretome and tissue transcriptome analysis: Potential usage of cystatin A for predicting nodal stage and poor prognosis. **Proteomics** 2010 Jul; 10, 2644-2660. [PubMed] (SCI) (IF 4.815, BIOCHEMICAL RESEARCH METHODS 13/71)
85. Lin C-J, Cheng M-L, Ho H-Y, You T-H, **Yu J-S***, Chiu DT-Y* (2010) Impaired dephosphorylation process renders G6PD-deficient cells more susceptible to H₂O₂-induced apoptosis. **Free Radic. Biol. Med.** 2010 Aug 1;49(3), 361–373. Epub 2010 Apr 24.[PubMed] (SCI)(IF 5.707, BIOCHEMISTRY & MOLECULAR BIOLOGY 46/286)
86. Chen, J-S, Chen, K-T, Fan C-W, Han C-L, Chen Y-J, **Yu J-S**, Chang Y-S, Chien C-W, Wu C-P, Hung R-P, Chan E-C* (2010) Comparison of membrane fraction proteomic profiles of normal and cancerous human colorectal tissues with gel-assisted digestion and iTRAQ labeling mass spectrometry. **FEBS J.** 2010 Jul; 277(14), 3028-38. Epub 2010 Jun 8 [PubMed] (SCI)(IF 3.129, BIOCHEMISTRY & MOLECULAR BIOLOGY 124/286)
87. Hsieh Y-J, **Yu J-S***, Lyu P-C* (2010) Characterization of the photodynamic therapy-elicited responses of A431 cells with intracellular organelle-localized Photofrin. **J. Cell. Biochem.** 2010 Nov 1, 111(4):821-33. [PubMed] (SCI) (IF 3.122, BIOCHEMISTRY & MOLECULAR BIOLOGY 125/286)
88. Chen Y-T*, Chen C-L, Chen H-W, Chung T, Wu C-C, Chen C-D, Hsu C-W, Chen M-C, Tsui K-H, Chang P-L, Chang Y-S, **Yu J-S*** (2010) Discovery of novel bladder cancer biomarkers by comparative urine proteomics using iTRAQ technology. **J. Proteome Res.** 2010 Nov 5; 9(11):5803-15. Epub 2010 Sep 17. [PubMed] (SCI) (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)
89. Mapes J, Chen J-T, **Yu J-S**, Xue D* (2010) Somatic sex determination in *C. elegans* is modulated by SUP-26 repression of tra-2 translation. **Proc Natl Acad Sci USA** 2010 Oct 19;107(42):18022-7. Epub 2010 Oct 4. [PubMed] (SCI) (IF 9.771, MULTIDISCIPLINARY SCIENCES 3/57)
90. Kao H-K, Guo L-F, Cheng M-H, Chen I-H, Liao C-T, Fang K-H, **Yu J-S**, Chang K-P* (2011) Predicting postoperative morbidity and mortality by model for endstage liver disease score for patients with head and neck cancer and liver cirrhosis. **Head & Neck** 2011 Apr; 33(4):529-34. Epub 2010 Jul 27. [PubMed] (SCI) (IF 2.182, OTORHINOLARYNGOLOGY 5/41)
91. Chang K-P, Chang Y-T, Wu C-C, Liu Y-L, Chen M-C, Tsang N-M, Hsu C-L, Chang Y-S, **Yu J-S*** (2011) Multiplexed immunobead-based profiling of cytokine markers for detection of nasopharyngeal carcinoma and prognosis of

patient survival. **Head & Neck** 2011 Jun;33(6):886-97. Epub 2010 Nov 29. [PubMed] (SCI)(IF 2.182, OTORHINOLARYNGOLOGY 5/41))

92. Liu H-P, Wu C-C, Kao H-Y, Huang Y-C, Liang Y, Chen C-C, **Yu J-S**, Chang Y-S* (2011) Proteome-wide dysregulation by PRA1 depletion delineates a role of PRA1 in lipid transport and cell migration. **Mol. Cell. Proteomics** 2011 Mar;10(3):M900641MCP200. Epub 2010 Jun 30. [PubMed] (SCI) (IF 8.354, BIOCHEMICAL RESEARCH METHODS 5/71)
93. Kuo YB, Fan CW, Chan CC, Hung RP, Hung YS, Chen KT, Chang CA, **Yu JS**, Chang YS, Chan EC* (2011) Identification of phospholipid scramblase 1 as a biomarker and its prognostic value for colorectal cancer. **Mol. Med.** 2011 Jan-Feb; 17(1-2):41-47. Epub 2010 Oct 5. [PubMed] (SCI) (IF5.908, MEDICINE, RESEARCH & EXPERIMENTAL 11/106)
94. Wang C-I, Wang C-L, Wang C-W, Chen C-D, Wu C-C, Tsai Y-H, Chang Y-S, **Yu J-S**, Yu C-J* (2011) Importin subunit alpha-2 is identified as a potential biomarker for non-small cell lung cancer by integration of cancer cell secretome and tissue transcriptome. **Int. J. Cancer** 2011 May; 128(10):2364-72. Epub 2010 Jul 23. [PubMed] (SCI) (IF 4.926, ONCOLOGY 32/184)
95. Chen J-S, Chou Y-P, Chen K-T, Hung R-P, **Yu J-S**, Chang Y-S, Chan E-C* (2011) Detection of annexin A autoantibodies in sera from colorectal cancer patients. **J. Clin. Gastroenterol.** 2011 Feb; 45(2):125-32. Epub 2010 Aug 7. [PubMed] (SCI) (IF 2.752, Gastroenterology & Hepatology 26/71)
96. Chang K-P, Kao H-K; Yen T-C, Chang Y-L, Liang Y, Liu S-C, Lee L-Y, Chang Y-L, Kang C-J, Chen I-H, Liao C-T*, **Yu J-S*** (2011) Overexpression of macrophage inflammatory protein-3 α in oral cavity squamous cell carcinoma associated with tumor metastasis. **Oral Oncol.** 2011 Feb; 47, 108–113. Epub 2010 Dec 15. [PubMed] (SCI) (DENTISTRY, ORAL SURGERY & MEDICINE 6/77)
97. Hsueh C, Lin J-D*, Wu I-C, Chao T-C, **Yu J-S**, Liou M-J, Yeh C-J (2011) Angiogenesis in papillary thyroid carcinoma: Expression of vascular endothelial growth factor, angiopoietin-1, angiopoietin-2 and Tie-2 correlated with tumor progression and prognosis. **J. Sur. Oncol.** 2011 Apr; 103(5):395-9. Epub. 2010 Dec 28. [PubMed] (SCI) (IF 2.428, ONCOLOGY 94/184)
98. Han C-L, Chen J-S, Chan E-C, Wu C-P, Yu K-H, Chen K-T, Tsou C-C, Tsai C-F, Chien C-W, Kuo Y-B, Lin P-Y, **Yu J-S**, Hsueh C, Chen M-C, Chan C-C, Chang Y-S, Chen Y-J* (2011) An informatics-assisted label-free approach for personalized tissue membrane proteomics: Case study on colorectal cancer. **Mol. Cell. Proteomics** 2011 Apr;10(4):M110.003087. Epub 2011 Jan 5. [PubMed] (SCI) (IF 8.354, BIOCHEMICAL RESEARCH METHODS 5/71)
99. Fan CW, Chan CC, Chen KT, Twu J, Huang YS, Han CL, Chen YJ, **Yu JS**, Chang YS, Kuo YB, Chan EC* (2011) Identification of SEC61 β and its autoantibody as biomarkers for colorectal cancer. **Clin. Chim. Acta.** 2011 May 12;412(11-12):887-93. Epub 2011 Jan 19. [PubMed] (SCI) (IF 2.388, MEDICAL LABORATORY TECHNOLOGY 6/30)
100. Chang K-P, Chang Y-T, Liao C-T, Yen T-C, Chen I-H, Chang Y-L, Liu Y-L, Chang Y-S, **Yu J-S***, Wu C-C* (2011) Prognostic cytokine markers in peripheral blood for oral cavity squamous cell carcinoma identified by multiplexed immunobead-based profiling. **Clin. Chim. Acta.** 2011 May 12;412(11-12):980-7. Epub 2011 Feb 21. [PubMed] (SCI) (IF 2.388, MEDICAL LABORATORY TECHNOLOGY 6/30)
101. Peng P-H, Wu C-C*, Liu S-C, Chang K-P, Chen C-D, Chang Y-T, Hsu C-W, Chang Y-S, **Yu J-S*** (2011) Quantitative plasma proteome analysis reveals aberrant level of blood coagulation-related proteins in nasopharyngeal carcinoma. **J. Proteomics** 2011 May 1;74(5):744-57. Epub 2011 Mar 2. [PubMed] (SCI) (IF 5.074, BIOCHEMICAL RESEARCH METHODS 10/71)
102. Chang Y-T, Wu C-C*, Shyr Y-M, Chen T-C, Hwang T-L, Yeh T-S, Chang K-P, Liu H-P, Liu-Y-L, Tsai, M-H, Chang Y-S, **Yu J-S*** (2011) Secretome-based identification of ULBP2 as a novel serum marker for pancreatic cancer detection. **PLoS One** 6(5), e20029. Epub 2011 May 20. [PubMed] (SCI) (IF 4.411, BIOLOGY 12/85)
103. Yu C-J, Chang K-P, Chang Y-J, Hsu C-W, Liang Y, **Yu J-S**, Chi L-M, Chang Y-S, Wu C-C* (2011) Identification of guanylate-binding protein 1 as a potential oral cancer marker involved in cell invasion using omics-based analysis. **J. Proteome Res.** 2011 Aug 5;10(8):3778-88. Epub 2011 Jul 19.[PubMed] (SCI) (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)

104. Martel J, Young D, Young A, Wu C-Y, Chen C-D, **Yu J-S**, Young JD* (2011) Comprehensive proteomic analysis of mineral nanoparticles derived from human body fluids and analyzed by liquid chromatography-tandem mass spectrometry. **Anal. Biochem.** 2011 Nov 1;418(1):111-25. Epub 2011 Jun 22. [PubMed] (SCI) (IF 3.236/2.996, BIOCHEMICAL RESEARCH METHODS 23/71 27/72)
105. Yu C-J*, Wang C-L, Wang C-I, Chen C-D, Dan Y-M, Wu C-C, Wu Y-C, Lee I-N, Tsai Y-H, Chang Y-S, **Yu J-S** (2011) Comprehensive proteome analysis of malignant pleural effusion for lung cancer biomarker discovery by using multidimensional protein identification technology. **J. Proteome Res.** 10(10):4671-82. 2011 Aug 24. [Epub ahead of print] [PubMed] (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)
106. Chang K-P, **Yu J-S**, Chien K-Y, Lee C-W, Liang Y, Liao C-T, Yen T-C, Lee L-Y, Huang L-L, Liu S-C, Chang Y-S, Chi L-M* (2011) Identification of PRDX4 and P4HA2 as metastasis-associated proteins in oral cavity squamous cell carcinoma by comparative tissue proteomics of microdissected specimens using iTRAQ technology. **J. Proteome Res.** 2011 Nov 4;10(11):4935-47. Epub 2011 Sep 28. [PubMed] (SCI) (IF 5.46, BIOCHEMICAL RESEARCH METHODS 9/71)
107. Tsai M-H, Wu C-C, Peng P-H, Liang Y, Shiao Y-C, Chien K-Y, Chen J-T, Lin S-J, Tang R-P, Hsieh L-L*, **Yu J-S*** (2012) Identification of secretory gelsolin as a plasma biomarker associated with distant organ metastasis of colorectal cancer. **J. Mol. Med. (Berl)** 90(2), 187-200. 2011 Oct 14. [Epub ahead of print] [PubMed] (SCI) (IF 5.192/4.668, MEDICINE, RESEARCH & EXPERIMENTAL 13/106, 15/111)
108. Chen Y-T, Chen H-W, Domanski D, Smith DS, Liang K-H, Wu C-C, Chen C-L, Chung T, Chen M-C, Chang Y-S, Borchers CH*, **Yu J-S*** (2012) Multiplexed quantification of 63 proteins by multiple reaction monitoring-based mass spectrometry in human urine for discovery of potential bladder cancer biomarkers. **J. Proteomics** 75(12):3529-45. 2012 Jan 3. [Epub ahead of print] [PubMed] (SCI) (IF 5.074/4.878, BIOCHEMICAL RESEARCH METHODS 10/71, 12/72)
109. Pan T-L*, Wang P-W, Huang C-C, Yeh C-T, Hu T-H, **Yu J-S** (2012) Network analysis and proteomic identification of vimentin as a key regulator associated with the invasiveness and metastasis of human hepatocellular carcinoma cells. **J. Proteomics** 75(15):4676-92. Epub 2012 Feb 22. [PubMed] (SCI) (IF 4.878, BIOCHEMICAL RESEARCH METHODS 12/72)
110. Wang I-S, Lu T-F, Lue C-E, Huang C-H, Yang P, Lin Y-T, Pijanswska DG, Yang C-M, Wang J-C, **Yu J-S**, Chang Y-S, Lai C-S* (2012). Immobilization of enzyme and antibody on ALD-HfO₂ EIS structure by NH₃ plasma treatment. **Nanoscale Res. Lett.** 7(1):179. 2012 Mar 8 [PubMed] (SCI) (IF 2.56, NANOSCIENCE & NANOTECHNOLOGY 28/64)
111. Hsieh Y-J, Chien K-Y, Lin S-Y, Sabu S, Hsu R-M, Chi L-M, Lyu P-C, **Yu J-S***. (2012) Photofrin binds to procaspase-3 and mediates photodynamic treatment-triggered methionine oxidation and inactivation of procaspase-3. **Cell Death Dis.** 3: e347; doi:10.1038/cddis. [PubMed] (SCI) (IF 6.044, CELL BIOLOGY 35/184)
112. Wang C-I, Chien K-Y, Wang C-L, Liu H-P, Cheng C-C, Chang Y-S, **Yu J-S**, Yu C-J* (2012) Quantitative proteomics reveals regulation of KPNA2 and its potential novel cargo proteins in non-small cell lung cancer. **Mol. Cell. Proteomics** 2012 Nov; 11(11):1105-22. [PubMed] (SCI) (IF 7.251, BIOCHEMICAL RESEARCH METHODS 5/75)
113. Chen C-L, Lai Y-F, Tang P, Chien K-Y, **Yu J-S**, Tsai C-H, Chen H-W, Wu C-C, Chung T, Hsu C-W, Chen C-D, Chang Y-S, Chang P-L, Chen Y-T* (2012) Comparative and targeted proteomic analyses of urinary microparticles from bladder cancer and hernia patients. **J. Proteome Res.** 11(12):5611-29. [PubMed] (IF 5.056, BIOCHEMICAL RESEARCH METHODS 10/75)
114. Hsueh C*, Lin J-D, Chang Y-S, Hsueh S, Chao T-C, **Yu J-S**, Jung S-M, Tseng N-M, Sun J-H, Kuo S-Y, Ueng H-S. (2013) Prognostic significance of expression of pituitary tumor-transforming gene-binding factor (PBF) in papillary thyroid carcinoma. **Clin. Endocrinol. (Oxf)** 2013 Feb;78(2):303-9. [PubMed] (IF 3.396 ENDOCRINOLOGY & METABOLISM, 46/121)
115. Chang Y-F[#], **Yu J-S[#]**, Chang Y-T, Su L-C, Li Y-C, Wu C-C, Chang Y-S, Lai C-S, Chou C* (2013). The utility of a high-throughput scanning biosensor in the detection of the pancreatic cancer marker ULBP2. **Biosens. Bioelectron.** 2013 Mar 15; 41, 232-237. 2012 Aug 23. [Epub ahead of print] [PubMed] [#]Equal contributions to this research (IF 5.437, Chemistry, Analytical 4/75)

116. Chen L-C, Liu M-Y, Hsiao Y-C, Choong W-K, Wu H-Y, Hsu W-L, Liao P-C*, Sung T-Y*, Tsai S-F*, **Yu J-S***, Chen Y-J* (2013) Decoding the disease-associated proteins encoded in the human Chromosome 4. **J Proteome Res.** 2013 Jan 4;12(1):33-44. 2012 Dec 20. [Epub ahead of print] [PubMed] (IF 5.056, BIOCHEMICAL RESEARCH METHODS 10/75)
117. Hsuuw Y-D, Chan W-H*, **Yu J-S** (2013) Ochratoxin A inhibits mouse embryonic development by activating a mitochondrion-dependent apoptotic signaling pathway. **Int. J. Mol. Sci.** 2013 Jan 7;14(1):935-53. [PubMed] (IF 2.464, CHEMISTRY, MULTIDISCIPLINARY 48/152)
118. Dong Y-M, Chien K-Y, Chen J-T, Wang TCV, Lin S-J, **Yu J-S*** (2013) Site-specific separation and detection of phosphopeptide isomers with pH-mediated stacking capillary zone electrophoresis-coupled electrospray ionization-tandem mass spectrometry. **J. Sep. Sci.** 36(9-10):1582-9. 2013 Mar 13. doi: 10.1002/jssc.201300054. [Epub ahead of print] [PubMed] (IF 2.591, CHEMISTRY, ANALYTICAL 25/75)
119. Lin Y-H*, Chen Y-J, Lai C-S*, Chen Y-T, Chen C-L, **Yu J-S**, and Chang Y-S (2013) A negative-pressure-driven microfluidic chip for the rapid detection of a bladder cancer biomarker in urine using bead-based ELISA. **Biomicrofluidics** 2013 Mar 7; 7(2):24103; [PubMed] (IF 3.385, PHYSICS, FLUIDS & PLASMAS 3/31)
120. Chen C-L, Lin T-S, Tsai C-H, Wu C-C, Chung T, Chien K-Y, Wu M, Chang Y-S, **Yu J-S***, and Chen Y-T* (2013) Identification of potential bladder cancer markers in urine by abundant-protein depletion coupled with quantitative proteomics. **J. Proteomics** 2013 Jun 24; 85:28-43. doi: 10.1016/j.jprot.2013.04.024. 2013 Apr 28; [Epub ahead of print][PubMed] (IF 4.088, BIOCHEMICAL RESEARCH METHODS 15/75)
121. Wang RY*, Kuo R-L, Ma W-C, Huang H-I, **Yu J-S**, Yen S-M, and Huang C-R, Shih S-R (2013) Heat shock protein-90-beta facilitates enterovirus 71 viral particles assembly. **Virology** 2013 Sep 1;443(2):236-47. [PubMed] (IF 3.367, VIROLOGY 9/34)
122. Chang K-P, Wang C-L, Kao H-K, Liang Y, Liu S-C, Huang L-L, Hseuh C, Hsieh Y-J, Chien K-Y, Chang Y-S, **Yu J-S**, Chi L-M*. (2013) Overexpression of caldesmon is associated with nodal metastasis and poorer prognosis in oral cavity squamous cell carcinomas. **Cancer** 119, 4003-11. 2013 Aug 20. doi: 10.1002/cncr.28300. [Epub ahead of print] [PubMed] (IF 5.201, ONCOLOGY 32/196)
123. Chen J-T, Ho C-W, Chi L-M, Chien K-Y, Hsieh Y-J, Lin S-J, **Yu J-S***. (2013) Identification of the lamins A/C phosphoepitope recognized by P-STM antibody in mitotic HeLa S3 cells. **BMC Biochem.** 2013 Jul 19;14(1):18. [PubMed] (IF 1.776, BIOCHEMISTRY & MOLECULAR BIOLOGY 225/290)
124. Lin S-J, Chang K-P, Hsu C-W, Chi L-M, Chien K-Y, Liang Y, Tsai M-H, Lin Y-T, **Yu J-S***. (2013) Low-molecular-mass secretome profiling identifies C-C motif chemokine 5 as a potential plasma biomarker and therapeutic target for nasopharyngeal carcinoma. **J. Proteomics** 2013 Dec 6; 94, 186-201. 2013 Sep 27. [Epub ahead of print] [PubMed] (IF 4.088, BIOCHEMICAL RESEARCH METHODS 15/75)
125. Tseng S-P, Teng S-H, Lee P-S, Wang C-F, **Yu J-S**, Lu P-L*. (2013) Rapid identification of *M. abscessus* and *M. massiliense* by MALDI-TOF mass spectrometry with a comparison to sequencing methods and antimicrobial susceptibility patterns. **Future Microbiol.** 2013 Nov; 8:1381-9. doi: 10.2217/fmb.13.115. [PubMed] (IF 4.018, MICROBIOLOGY 28/116)
126. Wang H-J, Hsieh Y-J, Cheng W-C, Lin C-P, Lin Y, Yang S-F, Chen C-C, Izumiya Y, **Yu J-S**, Kung H-J*, Wang W-C*. (2014) JMJD5 regulates PKM2 nuclear translocation and reprograms HIF-1 α -mediated glucose metabolism. **Proc Natl Acad Sci USA** 2014 Jan 7; 111(1):279-84. 2013 Dec 16. [Epub ahead of print] [PubMed] (IF 9.809, MULTIDISCIPLINARY SCIENCES 4/55)
127. Hsu C-W, **Yu J-S**, Peng P-H, Liu S-C, Chang Y-S, Chang K-P*, and Wu C-C* (2014) Secretomic profiling of primary cells reveals THBS2 as a salivary biomarker of oral cavity squamous cell carcinoma. **J. Proteome Res.** 2014 Apr 7. [Epub ahead of print] [PubMed] (IF 5.001, BIOCHEMICAL RESEARCH METHODS 9/78)
128. Chen C-D, Wang C-L, Yu C-J, Chien K-Y, Chen Y-T, Chen M-C, Chang Y-S, Wu C-C*, and **Yu J-S*** (2014) Targeted proteomic pipeline reveals diagnostic biomarkers for malignant pleural effusion of lung cancer. **J. Proteome Res.** 2014 Jun 6; 13(6):2818-29. [PubMed] (IF 5.001, BIOCHEMICAL RESEARCH METHODS 9/78)

129. Fang K-H, Kao H-K, Chi L-M, Liang Y, Liu S-C, Hseuh C, Liao C-T, Yen T-C, **Yu J-S**, Chang K-P*. (2014) Overexpression of BST2 is associated with nodal metastasis and poorer prognosis in oral cavity cancer. **Laryngoscope** 2014 Sep;124(9):E354-60. [PubMed] (IF 2.032, OTORHINOLARYNGOLOGY 9/43)
130. Wu C-C*[#], Chang Y-T[#], Chang K-P, Liu Y-L, Liu H-P, Lee I-L, Yu J-S, and Chiang W-F*. (2014) Salivary auto-antibodies as noninvasive diagnostic markers of oral cavity squamous cell carcinoma. **Cancer Epidemiol Biomarkers Prev** 2014 Aug;23(8):1569-78. doi: 10.1158/1055-9965.EPI-13-1269. Epub 2014 May 23 [PubMed] (IF 4.324, Public, Environmental and Occupational Health 12/160)
131. Juo C-G*, Chen C-L, Fu S-H, Lin S-T, Chen Y-T, Chang Y-S, and **Yu J-S**. (2014) Post-run calibration with sodium formate cluster ions improves the mass accuracy of ESI-RPLC-MS based urinary metabolomic analysis. **Rapid Commun Mass Spectrom** 28, 1813–1820. [PubMed] (IF 2.509, Spectroscopy, 13/43)(IF 2.642, BIOCHEMICAL RESEARCH METHODS 35/78)
132. Hsu R-M, Hsieh Y-J, Yang T-H, Chiang Y-C, Kan C-Y, Lin Y-T, Chen J-T, and **Yu J-S***. (2014) Binding of the extreme carboxyl-terminus of PAK-interacting exchange factor β (β PIX) to myosin 18A (MYO18A) is required for epithelial cell migration. **BBA-Mol Cell Res.** 1843 (11), 2513-2527. [PubMed] (IF 5.297, BIOCHEMISTRY & MOLECULAR BIOLOGY 52/291) (IF 5.297, Cell Biology 47/185)

C. Research Support

Ongoing Research Support

NSC 101-2325-B-182-011, NSC102-2325-B-182-010, MOST 103-2325-B-182-003, Ministry of Science and Technology 2012/5/1- 2015/4/30
 Development of a proteomics–based pipeline for verification of targeted cancer biomarkers in body fluids.
 The goal of this study is to establish a proteomics–based pipeline for verification of targeted cancer biomarkers in body fluids.
 Role: PI

NSC 102-2628-B-182-013-MY3, Ministry of Science and Technology 2013/8/1- 2016/7/31
 Identification and functional study of novel substrates of GSK-3 revealed by quantitative phosphoproteome analysis
 The goal of this study is to identify novel substrates of GSK-3 by quantitative phosphoproteome analysis and characterize the functional role of these substrates in human cells.
 Role: PI

Completed Research Support (2009-2013)

NSC99-2923-B-182-002-MY2, National Science Council 08/01/2010-07/31/2012
 Targeted proteomics approach by Multiple Reaction Monitoring for the quantitation of selected proteins encoded in 18th chromosome.
 The goal of this study is to establish Targeted proteomics approach by Multiple Reaction Monitoring for the quantitation of selected proteins encoded in 18th chromosome.
 Role: PI

NSC99-2320-B-182-017-MY3, National Science Council 08/01/2010-07/31/2013
 Serological marker panel(s) for early detection of pancreatic ductal adenocarcinoma: discovery and prospective study.
 The goal of this study is to discover and validate serological marker panel(s) for early detection of pancreatic ductal adenocarcinoma via integrated approaches of genomics and proteomics technology platforms.
 Role: PI

NSC96-2320-B-182-031-MY3, National Science Council 08/01/2007-07/31/2010
Cancer biomarker discovery---from establishment of cancer-cell secretome dataset to multiplex quantitation of multiple biomarkers,
The goal of this study is to intensively identify secretome from > 20 cancer cell lines for establishment dataset that can facilitate discovery of multiple candidate biomarkers for cancer.
Role: PI

NHRI-EX100-10015BI, NHRI-EX101-10015BI, NHRI-EX102-10015BI, National Health Research Institutes 2013/1/1- 2013/12/31
Discovery of Novel Kidney Cancer Biomarkers by Quantitative Proteomic Approaches
The goal of this study is to discover novel kidney cancer biomarkers in urine samples by quantitative proteomic approaches.
Role: PI

CLRPD190011-14, Chang-Gung Memorial Hospital 01/01/2011-12/30/2014
Establishment of Chang-Gung Proteomics Core Laboratory (III).
The goal of this study is to establish the Chang-Gung Proteomics Core Laboratory to the next stage.
Role: PI

CMRPD160096-160099, Chang-Gung Memorial Hospital 01/01/2007-12/30/2010
Establishment of Chang-Gung Proteomics Core Laboratory (II).
The goal of this study is to establish the Chang-Gung Proteomics Core Laboratory to the next stage.
Role: PI

CMRPD180301-03, Chang-Gung Memorial Hospital 11/01/2009-10/31/2012
Discovery of novel serum biomarkers on the basis of oral cancer cell secretome dataset and exosomes-derived microRNA dataset.
The goal of this study is to identify and validate oral cancer biomarkers on the basis of oral cancer cell secreted proteome and exosome-derived microRNA dataset.
Role: PI

NSC96-2320-B-182-031-MY3, National Science Council 08/01/2007-07/31/2010
Cancer biomarker discovery---from establishment of cancer-cell secretome dataset to multiplex quantitation of multiple biomarkers,
The goal of this study is to intensively identify secretome from > 20 cancer cell lines for establishment dataset that can facilitate discovery of multiple candidate biomarkers for cancer.
Role: PI

CMRPD160041-43, Chang-Gung Memorial Hospital 01/01/2007-02/28/2010
Systematic identification and validation of NPC biomarkers on the basis of NPC-cell secreted proteome dataset.
The goal of this project is to identify and validate NPC biomarkers on the basis of NPC-cell secreted proteome dataset developed in-house.
Role: PI