

BIOGRAPHICAL SKETCH

NAME in English Lang-Ming Chi		POSITION TITLE Associate Research Professor, Department of Medical Research and Development Linko Branch, Chang Gung Medical Foundation.	
NAME in Chinese 紀 朗 明			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Taipei Medical College	B.S.	06/85	Nutrition and Medicine
National Tsing Hua University	Ph.D.	06/90	Biophysics & Biochemistry
National Tsing Hua University	Postdoctoral	07/90	Protein Engineering
Chang Gung University	Postdoctoral	08/96	Biochemistry & Molecular Biology

A. Positions and Honors

Positions and Employment

1998-2005	Assistant Professor, Department of Medical Technology, Yuanpei Technology College, Hsinchu, Taiwan
2005-2012	Assistant Research Professor, Department of Medical Research and Development Linko Branch, Chang Gung Memorial Hospital, Taiwan
2012-present	Associate Research Professor, Department of Medical Research and Development Linko Branch, Chang Gung Medical Foundation, Taiwan

Other Experience and Professional Memberships

2005-	Member, Human Proteome Organization (HUPO)
2005-2009	Member, Taiwan Society for Mass Spectrometry (TSMS)
2007-	Member, Taiwan Proteomics Society (TPS)
2008-2010	Member, American Society for Biochemistry and Molecular Biology (ASBMB)
2012-	Approved Signatory (ISO 17025) of Clinical Proteomics Core Laboratory at Chang Gung Medical Foundation Accredited by Taiwan Accreditation Foundation (TAF)

Honors

2007-	Poster Silver Award, Taiwan Proteomics Society International Conference, 2007, Taiwan
2009	Poster Award, The 2nd CGMH International Symposium on Disease Proteomics, Taiwan
2010-	Poster Award, 2010 Disease Biomarker and TPS International Conference, Taiwan

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

- Chien KY, Chang YS, Yu JS, Fan LW, Lee CW, **Chi LM***. 2006 Sep, Identification of a new in vivo phosphorylation site in the cytoplasmic carboxyl terminus of EBV-LMP1 by tandem mass spectrometry. *Biochem Biophys Res Commun.*, 15;348(1):47-55. [IF: 2.648, 134/275 at Biochemistry & Molecular Biology), corresponding author
- Chi LM**, Lee CW, Chang KP, Hao SP, Lee HM, Liang Y, Hsueh C, Yu CJ, Lee IN, Chang YJ, Lee SY,

- Yeh YM, Chang YS, Chien KY, Yu JS*. 2009, Jul, Enhanced interferon signaling pathway in oral cancer revealed by quantitative proteome analysis of microdissected specimens using $^{16}\text{O}/^{18}\text{O}$ labeling and integrated 2DLC-ESI-MALDI tandem MS. *Molecular & Cellular Proteomics*, 8(7):1453-74. (IF: 7.251, 5/75 in Biochemical Research Methods)
3. Chang KP, Yu JS, Chien KY, Lee CW, Liang Y, Liao CT, Yen TC, Lee LY, Huang LL, Liu SC, Chang YS, **Chi LM***. 2011 Nov 4, 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.*, 10(11):4935-47. (SCI, IF: 5.056, 10/75 in Biochemical Research Methods)
 4. Wang CN, Chen JY, Sabu S, Chang YL, Chang SD, Kao CC, Peng HH, Chueh HY, Chao AS, Cheng PJ, Lee YS*, **Chi LM***, Wang TH*. 2011 May 1, Elevated amniotic fluid F₂-isoprostane: a potential predictive marker for preeclampsia. *Free Radical Bio Med.* 50(9):1124-30. (IF: 5.271, 17/122 in Endocrinology & Metabolism) (52/290 in Biochemistry & Molecular Biology)
 5. Chen CY, **Chi LM**, Chi HC, Tsai MM, Tsai CY, Tseng YH, Lin YH, Chen WJ, Huang YH, Lin KH. Stable isotope labeling with amino acids in cell culture (SILAC)-based quantitative proteomics study of a thyroid hormone-regulated secretome in human hepatoma cells. *Molecular & Cellular Proteomics*. 2012 Apr;11(4):M111.0112 (SCI, IF: 7.251, 5/75 in Biochemical Research Methods)
 6. Chang KP, Wang CL, Kao HK, Liang Y, Liu SC, Huang LL, Hseuh C, Hsieh YJ, Chien KY, Chang YS, Yu JS, **Chi LM***. 2013 Nov 15, Overexpression of caldesmon is associated with lymph node metastasis and poorer prognosis in patients with oral cavity squamous cell carcinoma. *Cancer*;119(22):4003-11 (IF: 5.201, 32/197 in Oncology)
 7. Chung PJ, **Chi LM**, Chen CL, Liang CL, Lin CT, Chang YX, Chen CH, Chang YS., 2014 Sep, MicroRNA-205 Targets Tight Junction-related Proteins during Urothelial Cellular Differentiation, *Molecular & Cellular Proteomics*, 13, 2321-2336. (IF: 7.251, 5/75 in Biochemical Research Methods)
 8. Cheng ML, **Chi LM**, Wu PR, Ho HY. Dehydroepiandrosterone-induced changes in mitochondrial proteins contribute to phenotypic alterations in hepatoma cells. *Biochemical Pharmacology* 2016 Oct 1;117:20-34 (IF: 4.581, R/C=30/257 (11.67%) in Pharmacology & Pharmacy)
 9. Chen YC#, **Chi LM#** (#First author), Chow KC, Chiou SH, Fan YH, Ho SP, Hsu YC, Hwang YC, Wu MX, Lee WM, Lin SL, Tsang CL, Mao FC. Association of anticardiolipin, antiphosphatidylserine, anti- β 2 glycoprotein I, and antiphosphatidylcholine autoantibodies with canine immune thrombocytopenia. *BMC Veterinary Research*. 2016 Jun 13;12(1):106 (IF: 1.750, R/C=24/136 (17.6%), Veterinary Sciences)
 10. Hsiao YC#, **Chi LM#** (#First author), Chien KY#, Chiang WF, Chen SF, Chuang YN, Lin SY, Wu CC, Chang YT, Chu LJ, Chen YT, Chia SL, Chien CY, Chang KP, Chang YS, Yu JS*. Development of a Multiplexed Assay for Oral Cancer Candidate Biomarkers Using Peptide Immunoaffinity Enrichment and Targeted Mass Spectrometry. *Molecular & Cellular Proteomics*. 2017 Oct;16(10):1829-1849. (IF: 6.54, R/C=5/78 (6.4%), Biochemical Research Methods) (IF 5.236, 9/78 in Biochemical Research Methods)
 11. Huang TY, **Chi LM**, Chien KY*. Size-exclusion chromatography using reverse-phase columns for protein separation. *J Chromatogr A*. 2018 Oct 12;1571:201-212. (IF: 3.981, R/C=11/76 (14.47%), Chemistry, Analytic)
 12. **Chi LM**, Hsiao YC, Chien KY, Chen SF, Chuang YN, Lin SY, Wang WS, Chang IY, Yang C, Chu LJ, Chiang WF, Chien CY, Chang YS, Chang KP*, **Yu JS***. Assessment of candidate biomarkers in paired saliva and plasma samples from oral cancer patients by targeted mass spectrometry. *J Proteomics*. 2020 Jan 16;211:103571 (IF 3.537, 19/79 in Biochemical Research Methods)

C. Research Interests:

1. Cancer biomarker discovery
2. The molecular mechanisms and regulation of tumor development and progression