BIOGRAPHICAL SKETCH

NAME in English **Ching-Ping Tseng** NAME in Chinese 曾慶平	POSITION TITLE Professor, Department of Medical Biotechnology and Laboratory Science, Graduate Institute of Biomedical Sciences

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
National Yang Ming Medical University	B.S.	06/88	Medical Technology
University of Wisconsin-Madison	Ph.D.	06/96	Human Cancer Biology
University of Texas Southwestern Medical Center	Postdoctoral	11/98	Urological Cancer Biology

A. Positions and Honors

Positions and Employment

2007-present **Professor**, Department of Medical Biotechnology and Laboratory Science; Graduate Institute of Biomedical Science, Chang Gung University

2005-present **Member**, Molecular Medicine Research Center, Chang Gung University

2003-2007 **Associate Professor**, Department of Medical Biotechnology and Laboratory Science; Graduate Institute of Medical Biotechnology, Chang Gung University

1998-2003 **Assistant Professor**, School of Medical Technology, Chang Gung University

2000-2009 **Consultant**, Laboratory of Molecular Diagnostics, Department of Clinical Pathology, Chang Gung Memorial Hospital

Other Experience and Professional Memberships

2009 NSC Med. Tech. study section member

2007 NSC Med. Tech. study section member

2007 Examination member for Med. Tech. National Board Exam.

2005 NSC Med. Tech. study section member

1994- Member, The American Association for Cancer Research

Honors

2008 The Best Teacher Award in Research, Chang Gung University

2006 Sysmex Award, The Association of Laboratory Medicine

2006 Excellent Poster Award, The Taiwan Society of Biochemistry and Molecular Biology

2005 Reach the World Travel Grant, The International Society of Thrombosis and Haemostasis

2003 Academic Paper Award, The Association of Laboratory Medicine

2001 The Excellent Research Award, National Science Council

2000 The Best Teacher Award, Chang Gung University

B. Selected Peer-reviewed Publications (2005-2010) (in chronological order)

1. Zhou J, Hernandez G, Tu SW, Scholes J, Chen H, **Tseng C-P**, Hsieh JT. Synergistic induction of DOC-2/DAB2 gene expression in transitional cell carcinoma in the presence of GATA6 and histone deacetylase inhibitor. Cancer Res. 65:6089-6096, 2005.

2. **Tseng C-P (Corresponding author)**, Chang P, Huang CL, Cheng JC, and Chang SS. Autocrine signaling

of platelet-derived growth factor regulates Disabled-2 expression during megakaryocytic differentiation of K562 cells. FEBS Letters, 579:4395-4401, 2005.

3. **Tseng C-P**, Huang CL, Chong KY, Hung IJ, and Chiu DTY. Rapid detection of glucose-6-phosphate dehydrogenase gene mutations by denaturing high-performance liquid chromatography. Clin. Biochem. 38:973-980, 2005.

4. Zhou J, Hernandez G, Tu SW, Huang CL, **Tseng C-P**, and Hsieh JT. The role of DOC-2/DAB2 in modulating androgen receptor-mediated cell growth via the nongenomic c-Src-mediated pathway in normal prostatic epithelium and cancer. Cancer Res. 65:9906-9913, 2005.

5. Chang JT, Lu YC, Chen YJ, **Tseng C-P**, Chen YL, Fang CW, Cheng AJ. hTERT phosphorylation by PKC is essential for telomerase holoprotein integrity and enzyme activity in head and neck cancer cells. Br. J. Cancer 94:870-878, 2006.

6. Huang CL, Cheng JC, Stern A, Hsieh JT, Liao CH, **Tseng C-P (Corresponding author)**. Disabled-2 is a novel integrin αIIb-binding protein that negatively regulates platelet-fibrinogen interactions and platelet aggregation. J. Cell Sci. 119:4420-4430, 2006.

7. Cheng JC, Huang CL, Lin CC, Chen CC, Chang YC, Chang SS, **Tseng C-P (Corresponding author)**. Rapid detection and identification of clinically important bacteria by high-resolution melting analysis after broad-range ribosomal RNA real-time PCR. Clin. Chem. 52:1997-2004, 2006.

8. Huang CH, Cheng JC, Chen JC, **Tseng C-P (Corresponding author)**. Evaluation of the role of Disabled-2 in nerve growth factor-mediated neurite outgrowth and cellular signaling. Cell. Signal., 19:1339-1347, 2007.

9. Huang YJ, Chen IS, **Tseng C-P**, Day YJ, Lin YC, Liao CH. (2R,3R)-2-(3',4'-dihydroxybenzyl)-3-(3",4"-dimethoxybenzyl)butyrolactone suppresses fMLP-induced superoxide production by inhibiting fMLP-receptor binding in human neutrophils. Biochem Pharmacol. 75:688-697, 2008.

10. Lin JH*, **Tseng C-P***, Chen YJ, Lin CY, Chang SS, Wu HS, Cheng JC. Rapid differentiation of influenza A virus subtypes and genetic screening for virus variants by high-resolution melting analysis. J Clin Microbiol. 46:1090-1097, 2008 (*Co-first author)

11. Wu YH, **Tseng C-P**, Cheng ML, Ho HY, Shih SR, Chiu DT. Glucose-6-phosphate dehydrogenase deficiency enhances human coronavirus 229E infection. J Infect Dis. 197:812-816, 2008.

12. Wu CY, Hsieh HL, Sun CC, **Tseng C-P**, Yang CM. IL-1 beta induces proMMP-9 expression via c-Src-dependent PDGFR/PI3K/Akt/p300 cascade in rat brain astrocytes. J Neurochem. 105:1499-1512, 2008.

13. Weng LP, Wu CC, Hsu BL, Chi LM, Liang Y, **Tseng C-P**, Hsieh LL, Yu JS. Secretome-based identification of Mac-2 binding protein as a potential oral cancer marker involved in cell growth and motility. J Proteome Res. 7:3765-3775, 2008.

14. Liao CH, Lin SZ, **Tseng C-P**, Day YJ, Chang CS, Chang YH, Kuo SC. A benzodiazepines derived compound, 4-(3-chlorophenyl)-1,3-dihydronaphtho [2,3-b][1,4]diazepin-2-one (ND700C), inhibits fMLP-induced superoxide anion release by activating protein phosphatase 2A in human neutrophils. Biochem Pharmacol. 76:1728-1739, 2008.

15. Wang SY*, **Tseng C-P***, Tsai KC, Lin CF, Wen CY, Tsay HS, Sakamoto N, Tseng CH, Cheng JC. Bioactivity-guided screening identifies pheophytin a as a potent anti-hepatitis C virus compound from

Lonicera hypoglauca Miq. Biochem Biophys Res Commun. 385:230-235, 2009. (*Co-first authors)

16. Yang CJ, Liu YK, Liu CL, Shen CN, Kuo ML, Su CC, **Tseng C-P**, Yen TC, Shen CR. Inhibition of acidic mammalian chitinase by RNA interference suppresses OVA-sensitized allergic asthma. Hum Gene Ther. 20:1597-1606, 2009.

17. Chen DP*, **Tseng C-P***, Tsai SH, Wang MC, Lu SC, Wu TL, Chang PY, Sun CF. Use of X-linked short tandem repeats loci to confirm mutations in parentage caseworks. Clin Chim Acta. 408:29-33, 2009. (*Co-first authors)

18. Yang CM, Hsieh HL, Yao CC, Hsiao LD, **Tseng C-P**, Wu CB. Protein Kinase C-δ transactivates platelet-derived growth factor receptor-α in mechanical strain-induced collagenase 3 (matrix metalloproteinase-13) expression by osteoblast-like cells. J Biol Chem. 284:26040-26050, 2009

19. Tseng WL, Huang CL, Cheng JC, Liao CH, Stern A, **Tseng C-P (Corresponding author)**. Reelin is a platelet protein and functions as a positive regulator of platelet spreading on fibrinogen. Cell. Mol. Life Sci. 67:641-653, 2010. **(2009 Merck Young Scientist Award, Honorable Mention to Tseng WL)**

20. Tseng CH, **Tseng C-P**, Chong CK. Joint effects of hypertension, smoking, dyslipidemia and obesity and angiotensin-converting enzyme DD genotype on albuminuria in Taiwanese patients with type 2 diabetes mellitus. Clin. Biochem. 43:629-634, 2010.

21. Huang CL, Cheng JC, Kitajima K, Nakano T, Chong KY, **Tseng C-P (Corresponding author)**. Disabled-2 is required for mesoderm differentiation of murine embryonic stem cells. J. Cell. Physiol. 225:92-105, 2010.

C. Research Support

Ongoing Research Support

RO1 97-2320-B-182-009-MY3 Tseng (PI) 08/01/08-07/31/11
The novel function and molecular mechanism of an adapter protein in erythroid differentiation.
The goal of this study is to characterize the signaling proteins that are involved in erythroid differentiation.
Role: PI

P01 99-2632-B-182-001-MY3 Tseng (PI) 08/01/10-07/31/13
Cancer microenvironment and therapeutic implications: a systematic approach to investigate the interplays between cancer cell and haemostatic system.
The goal of this study is to understand the role of cancer microenvironment on cancer progression and metastasis.
Role: PI

R01 99-2628-B-182-001-MY3 Tseng (PI) 08/01/10-07/31/13
Molecular and in vivo functional analysis of Disabled-2 in megakaryopoiesis and platelet biogenesis.
The goal of this study is to reveal the function of Disabled-2 gene in megakaryocytic differentiation and platelet formation.
Role: PI

Completed Research Support (2006-2010)

R01 95-2320-B-182-023-MY3 Tseng (PI) 08/01/06-10/31/09
In vivo functional analysis of platelet protein Disabled-2 in hemostasis and platelet aggregation.
The goal of this project was to determine the in vivo functional role of Disabled-2 in hemostasis and platelet function.
Role: PI

R01 NHRI-EX98-9612BI Tseng (PI) 01/01/07-12/31/09
Exploring the role of DAB2 in the blockage of tumor cell-platelet interaction and cancer metastasis.
The goal of this project was to investigate the role of DAB2 in tumor cell-platelet interaction and cancer progression.
Role: PI