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現職

高雄醫學大學	醫學研究所	副教授 (2012/8-)
高醫、中研院轉譯醫學博士學位學程		副教授 (2012/8-)
KMU Masters Program in Clinical Medicine (foreign students), Associate professor (2012/8-)		
國立中山大學	生物科學系	合聘副教授 (2014/2-)

主要學歷

國立台灣大學	微生物學研究所	博士 (2000)
國立陽明大學	微生物及免疫學研究所	碩士 (1993)
國立台灣大學	植物學系	學士 (1991)

與專長相關之經歷

高雄醫學大學	醫學研究所	助理教授 (2005/10-2012/7)
高醫、中研院轉譯醫學博士學位學程		助理教授 (2010/8-2012/7)
KMU Masters Program in Clinical Medicine (foreign students), Assistant professor (2008/8-2012/7)		
國家衛生研究院	院長實驗室	博士研究生 (2001-2005)
台大醫學院	微生物學研究所	博士後研究 (2000-2001)

專長

癌症生物學，腫瘤病毒學，分子細胞生物學

學會會員

中華民國細胞及分子生物學學會會員

Member of American Association for Cancer Research

研究領域

1. Roles of genome stability genes in head and neck cancer and pediatric leukemia
2. Molecular carcinogenicity of ingredients of areca nut and cigarette
3. Tumorigenicity of Epstein-Barr virus and human polyomavirus
4. Functional characterization of Jun-dimerization protein 2 (JDP2)

學術榮譽獎勵

2000 台大醫學院博士班研究生優等著作獎

2009 彰基、高醫、輔大合作研究成果發表會，口頭組/佳作

2010 Biography listed on the 2010 (27th edition) of Marquis Who's Who in the World

2011 高雄醫學大學研究績優教師獎

2011 國科會補助大專院校獎勵特殊優秀人才

2012 國科會補助大專院校獎勵特殊優秀人才

2012 Travel Grant Award, 71st Japanese Cancer Association Annual Meeting

著作 (*, 通訊作者)

A. Refereed Journals

1. **Lin CS**, Leu SY, and Liu WT*. (1993) The p53 gene mutation of colorectal cancer in Chinese patients. **Journal of Biomedical and Laboratory Science** 5: 117-123.
2. Chao HK, Tsai TF, **Lin CS**, and Su TS*. (1999) Evidence that mutational activation of the ras genes may not be involved in aflatoxin B1-induced human hepatocarcinogenesis, based on sequence analysis of the ras and p53 genes. **Molecular Carcinogenesis** 26: 69-73. (IF=4.269, 48/197 Oncology)
3. **Lin CS**, Kuo HH, Chen JY, Yang CS, and Wang WB*. (2000) Epstein-Barr virus nuclear antigen 2 retards cell growth, induces p21^{WAF1} expression, and modulates p53 activity post-translationally. **Journal of Molecular Biology** 303: 7-23. (IF=3.905, 87/290 biochemistry & Molecular Biology)
4. Huang JL*, Lin HT, Wang YM, Weng MH, Ji DD, Kuo MD, Liu HW, and **Lin CS**. (2004) Sensitive and specific detection of strains of Japanese encephalitis virus using an one-step TaqMan RT-PCR technique. **Journal of Medical Virology** 74: 589-596. (IF=2.373, 21/34 Virology)
5. Liu MT, Chen YR, Chen SC, Hu CY, **Lin CS**, Chang YT, Wang WB, and Chen JY*. (2004) Epstein-Barr virus latent membrane protein 1 induces micronucleus formation, represses DNA repair and enhances sensitivity to DNA-damaging agents in human epithelial cells. **Oncogene** 23: 2531-2539. (IF=7.357, 19/197 Oncology)
6. Liu MT, Chang YT, Chen SC, Chuang YC, Chen YR, **Lin CS**, Chen JY*. (2005) Epstein-Barr Virus latent membrane protein 1 represses p53-mediated DNA repair and transcriptional activity. **Oncogene** 24: 2635-2646. (IF=7.357, 19/197 Oncology)
7. Huang JL*, Lin HT, Wang YM, Yeh YC, Peck K, Lin BL, Liu HW, Chen A, **Lin CS***. (2005) Rapid and sensitive detection of multiple genes of the SARS-coronavirus using quantitative RT-PCR with dual test systems. **Journal of Medical Virology** 77: 151-158. (IF=2.373, 21/34 Virology)
8. **林常申**, 涂明君, 陳振陽, 陳三餘*. (2006) 牙科用金屬材料對人類口腔細胞毒性之評估. **中台灣醫誌** 11: 236-242.
9. Chiou SS, Huang JL, Tsai YS, Chen TF, Lee KW, Juo SHH, Jong YJ, Hung CH, **Lin CS***. (2007) Elevated mRNA transcripts of non-homologous end-joining repair genes in pediatric acute lymphoblastic leukemia. **Leukemia** 21: 2061-2063. (IF=10.164, 8/197 Oncology)
10. Lee KW, Tsai CC, Chen YW, Chai CY, Su YC, Kuo WR, **Lin CS***. (2007) Positive PET-CT in early inverted papilloma of the maxillary sinus. **Journal of Clinical Oncology** 25: 4848-4850. (IF=17.255, 5/197 Oncology)
11. Hung CH*, Chuang SS, Hua CH, Hua YM, Tien CH, Yang KD, Jong YJ, Hsu SH, **Lin CS**. (2007) Suppression of plasma matrix metalloproteinase-9 following montelukast treatment in childhood asthma. **Pediatrics International** 49: 918-922. (IF=0.921, 90/122 Pediatrics)
12. Hung CH*, Chu YT, Hua YM, Hsu SH, **Lin CS**, Chang HC, Lee MS, Jong YJ. (2008) Effects of formoterol and salmeterol on the production of Th1- and Th2-related chemokines by monocytes and bronchial epithelial cells. **European Respiratory Journal** 31: 1313-1321. (IF=6.355, 3/50 Respiratory System)
13. Tsai YS, Lee KW, Huang JL, Liu YS, Juo SHH, Kuo WR, Chang JG, **Lin CS***, Jong YJ*. (2008) Arecoline, a major alkaloid of areca nut, inhibits p53, represses DNA repair, and triggers DNA damage response in human epithelial cells. **Toxicology** 249: 230-237.

- (IF=4.017, 11/85 Toxicology)
14. Pan SH, Tai CC, **Lin CS**, Hsu WB, Chou SF, Lai CC, Chen JY, Tien HF, Lee FU, Wang WB*. (2009) Epstein-Barr virus nuclear antigen 2 disrupts mitotic checkpoint and causes chromosomal instability. **Carcinogenesis** 30: 366-375. (IF=5.635, 28/197 Oncology)
 15. Juo SHH, Wu Rita, **Lin CS**, Wu MT, Lee JN, Tsai EM*. (2009) A functional promoter polymorphism at IL-10 influences susceptibility to endometriosis. **Fertility and Sterility** 92(4): 1228-1233 (IF=4.174, 4/78 Obstetrics & Gynecology)
 16. Wang YC, Tsai YS, Huang JL, Lee KW, Kuo CC, Wang CS, Huang AM, Chang JY, Jong YJ, **Lin CS***. (2010) Arecoline arrests cells at prometaphase by deregulating mitotic spindle assembly and spindle assembly checkpoint: implication for carcinogenesis. **Oral Oncology** 46(4): 255-262. (IF=2.695, 11/83 Dentistry, Oral Surgery & Medicine)
 17. Hour TC, Lai YL, Kuan CI, Chou CK, Wang JM, Tu HY, **Lin CS**, Wu WJ, Pu YS, Sterneck E, Huang AM*. (2010) Transcriptional up-regulation of SOD1 by CEBPD: a potential target for cisplatin resistant human urothelial carcinoma cells. **Biochemical Pharmacology** 80(3): 325-334. (IF=4.576, 29/261 Pharmacology & Pharmacy)
 18. Lan CCE, Yu HS, Huang SM, Wu CS, Kuo HY, Lee CH, **Lin CS**, Chen GS*. (2010) Topical tacrolimus has a limited direct effect on ultraviolet B-irradiated keratinocytes: implications for its photocarcinogenic potential. **Clinical and Experimental Dermatology** 35(2):173-9 (IF=1.329, 35/59 Dermatology)
 19. Lee KW, Tsai YS, Chiang FY, Huang JL, Ho KY, Yang YH, Kuo WR, Chen MK, **Lin CS***. (2011) Lower mRNA expression of ataxia telangiectasia mutated (ATM) gene predicts poorer outcome in laryngeal and pharyngeal cancers. **Annals of Oncology** 22(5):1088-93. (IF=7.384, 18/197 Oncology)
 20. Wang LT, **Lin CS**, Chai CY, Liu KY, Chen JY, Hsu SH*. (2011) Functional interaction of Ugene and EBV infection mediates tumorigenic effect. **Oncogene** 30(26):2921-32 (IF=7.357, 19/197 Oncology)
 21. Tsai YS, **Lin CS**, Chiang SL, Lee CH, Lee KW, Ko YC*. (2011) Areca nut induces miR-23a and inhibits repair of DNA double-strand breaks by targeting FANCG. **Toxicological Sciences** 123(2):480-90 (IF=4.328, 8/85 Toxicology)
 22. **Lin CS***, Wang YC, Huang JL, Hung CC, Chen YF. (2012) Autophagy and reactive oxygen species modulate cytotoxicity induced by suppression of ATM kinase activity in head and neck cancer cells. **Oral Oncology** 48(11):1152-58. (IF=2.695, 11/83 Dentistry, Oral Surgery & Medicine)
 23. Chiou SS*, Wang SSW, Wu DC, Lin YC, Kao LP, Kuo KK, Wu CC, Chai CY, Lin CL Steve, Lee CY, Liao YM, Kenly Wuputra, Yang YH, Wang SW, Ku CC, Nakamura Y, Saito S, Hasegawa H, Yamaguchi N, Miyoshi H, **Lin CS**, Eckner R, Yokoyama KK*. (2013) Control of oxidative stress and generation of induced pluripotent stem cell-like cells by jun dimerization protein 2. **Cancers** 5(3): 959-84
 24. Tsai EM, Wang YS, **Lin CS**, Lin WY, Hsi E, Wu MT, Juo SH*. (2013) A microRNA-520 mirSNP at the MMP2 gene influences susceptibility to endometriosis in Chinese women. **Journal of Human Genetics** 58(4):202-9. (IF=2.365, 91/161 Genetics & Heredity)
 25. Wang SW, Wang SSW, Wu DC, Lin YC, Ku CC, Wu CC, Chai CY, Lee JN, Tsai EM, Lin SCL, Yang RC, Ko YC, Yu HS, Huo C, Chuu CP, Murayama Y, Nakamura Y, Hashimoto S, Matsushima K, Jin C, Eckner R, **Lin CS**, Saito S*, Yokoyama KK*. (2013) Androgen receptor-mediated apoptosis in bovine testicular induced pluripotent stem cells in response to phthalate esters. **Cell Death & Disease** 4: e907; doi:10.1038/cddis.2013.420 (IF=6.044, 35/184 Cell Biology)
 26. Tanigawa S, Lee CH, **Lin CS**, Ku CC, Hasegawa H, Qin S, Kawahara A, Korenori Y, Miyamori K, Noguchi M, Lee LH, Lin YC, Lin SCL, Nakamura Y, Jin C, Yamaguchi N, Eckner R, Hou DX*, Yokoyama KK*. (2013) Jun dimerization protein 2 is a critical component of the Nrf2/MafK complex regulating the response to ROS homeostasis. **Cell Death & Disease** 4: e921; doi: 10.1038/cddis.2013.448. (IF=6.044, 35/184 Cell Biology)

27. Lin YC, Kuo KK, Kenly Wuputra, Lin SH, Kuo CC, Yang YH, Wang SW, Wang SW, Wu DC, Wu CC, Chai CY, Lin CL, **Lin CS**, Kajitani, Miyoshi H, Nakamura Y, Hashimoto S, Matsushima K, Jin C, Huang SK, Saito S*, Yokoyama KK*. (2014) Bovine induced pluripotent stem cells are more resistant to apoptosis than testicular cells in response to mono-(2-ethylhexyl) phthalate. **International Journal of Molecular Sciences** (accepted) (IF=2.464, 48/152 Chemistry, Multidisciplinary)
28. Lin YC, Murayama Y, Hashimoto K, Nakamura Y, **Lin CS**, Saito S, Yokoyama KK*. (2014) Role of tumor suppressor genes in the cancer-associated reprogramming of human induced pluripotent stem cells. **Stem Cell Research & Therapy** (accepted) (IF=3.652, 32/121 Medicine, Research & Experimental)

B. Invited Book and Online Chapters

1. **Lin CS** (2010) Carcinogenicity of arecoline, an alkaloid of betel nut. *SciTopics (Research summaries by experts)*. Elsevier Publishing Group.
http://www.scitopics.com/Carcinogenicity_of_arecoline_an_alkaloid_of_betel_nut.html
2. Tsai YS, Huang JL, **Lin CS***. (2011) Application of host cell reactivation in evaluating the effects of anticancer drugs and environmental toxicants on cellular DNA repair activity in head and neck cancer. In *Selected Topics in DNA Repair* (ISBN 978-953-307-606-5), Chen C (Ed.), InTech, Rijeka, Croatia, pp465-482.
<http://www.intechopen.com/articles/show/title/application-of-host-cell-reactivation-in-evaluating-the-effects-of-anticancer-drugs-and-environmenta>

C. Abstracts Presented at Meetings

1. Lin CS, Wang WB and Chen JY. (2002) Negative regulation of mitotic kinase cdc2 by Epstein-Barr Virus EBNA2 Protein. 10th International Symposium on Epstein-Barr Virus & Associated Malignant Diseases. Cairns, Australia.
2. Liu MT, Chen YR, Lin CS, Chang YT, Wang WB and Chen JY. (2004) Effects of EBV DNase and LMP1 on the genome stability. 11th Symposium on Epstein-Barr Virus & Associated Diseases. Regensburg, Germany.
3. Chan WH, Lee KW, Lin CS, Tsai CC, Kuo WR. (2007) Positive PET-CT in early inverted papilloma of the maxillary sinus - Case report. Taiwan Otolaryngological Society 83rd Academic Meeting. Taipei, Taiwan.
4. Lee KW, Lin CS, Kuo WR. (2007) Second Primary Cancer in Patients with Head and Neck Malignancy: a Twenty Years Experience. The 9th Japan-Taiwan conference in Oto-Rhino-Laryngology, Head and Neck Surgery. Sendai, Japan.
5. Wang YC, Tsai YS, Lee KW, Chen TF, Hsieh HY, Huang JL, Juo SH, Kuo WR, Chang JG, Jong YJ, Lin CS. (2008) Aberrant expression of ATM and Rad51 mRNA in oral cancer. Asia-Pacific Congress on Oral Cavity Cancer and 12th Annual Meeting of Taiwan Cooperative Oncology Group. Taipei, Taiwan.
6. Wang YC, Tsai YS, Lee KW, Huang JL, Lin CS. (2009) Aberrant Expressions of Spindle Checkpoint Genes in Oral Cancer and Arecoline-Treated Cells. The 17th Symposium on Recent Advances in Cellular and Molecular Biology. Kenting, Taiwan.
7. Huang JL, Cheng SY, Chiang YH, Yeh YC, Wong TY, Lin CS. (2009) Polyomavirus Small-t Antigen Inhibits DNA Repair and Elevates Micronucleus Formation. The 17th Symposium on Recent Advances in Cellular and Molecular Biology. Kenting, Taiwan.
8. Lin CS, Wang YC, Wu YP, Tsai HY, Lee KW, Huang JL, Chen MK. (2009) Cisplatin- and 5-fluorouracil-resistant head and neck cancer cell lines exhibit increased stemness marker expression and altered DNA repair activity. *Advances in Stem Cell Research*. Cambridge, UK.
9. Lee KW, Chiang FY, Kuo WR, Lin CS. (2009) Lower mRNA expression of Ataxia Telangiectasia Mutated (ATM) gene predicts poorer outcome in laryngeal and pharyngeal cancers. 10th Taiwan-Japan Otolaryngology Head & Neck Conference. Yi-Lan, Taiwan.

10. Wang YC, Tsai YS, Huang JL, Lee KW, Kuo CC, Wang CS, Huang AM, Chang JY, Jong YJ, Lin CS. (2010) The betel nut alkaline arecoline arrests cells at prometaphase by deregulating mitotic spindle assembly and activating spindle assembly checkpoint. The 18th Symposium on Recent Advances in Cellular and Molecular Biology. Kenting, Taiwan.
11. Lin CS, Chiou WY, Lee KW, Chen TF, Hsu TY, Wu YP, Huang JL. (2010) Negative Regulation of Nuclear Excision Repair and XPD Expression by Benzo(a)pyrene and its Correlation with Smoking-associated Laryngeal Cancer. EPICOH-Medichem 2010 Conference. Taipei, Taiwan.
12. Wang YC, Lee KW, Chen MK, Tsai YS, Huang JL, Lin CS. (2010) Arecoline-downregulated ATM and BRCA1 are correlated with poor outcomes of head and neck cancer patients. 2nd Asian Conference on Environmental Mutagens. Pattaya, Thailand.
13. Lin CS, Chiou WY, Lee KW, Chen TF, Hsu TY, Huang JL. (2010) Down-regulation of XPD is associated with benzo(a)pyrene exposure, decreased DNA repair, and poor outcomes of head and neck cancer patients. 2nd Asian Conference on Environmental Mutagens. Pattaya, Thailand.
14. Lin CS, Wang YC, Huang JL, Hung CC, Chen YF. (2012) Autophagy and reactive oxygen species modulate cytotoxicity induced by ATM kinase inhibitor in head and neck cancer. The 71st Annual Meeting of the Japan Cancer Association. Sapporo, Japan.
15. Huang JL, Lin CS. (2012) Arecoline and BaP co-exposure augments the repression of DNA repair and promotes genomic instability. The 71st Annual Meeting of the Japan Cancer Association. Sapporo, Japan.
16. Yokoyama K, Ku CC, Wuputra K, Kao LP, Lin YC, Lin CS. (2013) Study of chromatin dynamics mediated by transcription factor JDP2 in anti-oncogenesis. 2013 Biomedical Research Symposium of National Health Research Institutes, Miaoli, Taiwan.
17. Yokoyama K, Ku CC, Wuputra K, Lin SH, Lin YC, Lin CS. (2013) Regulation of cell cycle and ROS homeostasis by Jun dimerization protein 2. Mechanisms of Eukaryotic Transcription, Cold Spring Harbor, NY, USA.
18. Ku CC, Wuputra K, Lin SH, Yen YT, Lin YC, Lin CS, Yokoyama K. (2013) Jun dimerization protein 2 is a critical component of the Nrf2/MafK complex regulating the response to ROS homeostasis. The 9th Annual Meeting of Taiwan Society for Stem Cell Research, Taipei, Taiwan.
19. Lin SH, Liao YM, Lee CY, Lu CC, Wuputra K, Yen YT, Lin YC, Lin CS, Yokoyama K, Chiou SS. (2013) Control of oxidative stress and generation of induced pluripotent stem cell-like cells by Jun Dimerization Protein 2. The 9th Annual Meeting of Taiwan Society for Stem Cell Research, Taipei, Taiwan.
20. Lin CS, Wuputra K, Ku CC, Lin SH, Yen YT, Lin YC, Yokoyama K. (2013) Androgen receptor-mediated apoptosis in bovine testicular induced pluripotent stem cells in response to phthalate esters. 8th Annual Conference of Asia Epigenome Alliance, Taipei, Taiwan.
21. Lin CS, Lee KW, Huang JL, Wang YC, Tsai YS. (2014) Prognostic roles of DDB2 and XPC mRNA expressions in treatment responses and overall survivals of head and neck cancer patients. AACR Annual Meeting 2014, San Diego, USA