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EDUCATION

Ph.D.: Institute of Agriculture Chemistry, National Taiwan University, Taipei, Taiwan

RESEARCH INTERESTS

- Stem cell biology and regeneration medicine
- Tissue engineering

Professional Career

- Secretary in General, Taiwan Association of Cell Therapy (TACT), 2014 to present.
- Member of Director Board, Taiwan Society for Stem Cells Research (TSSCR), 2012 to present.
- Member of Director Board, Formosan Association of Regenerative Medicine, 2014 to present.
- Member of Supervisor Board, Formosan Association of Regenerative Medicine, 2010 to 2014.
- Secretary in General, Taiwan Society for Stem Cells Research (TSSCR), 2009 to 2011.
- Postdoctoral Fellow: 2005 – 2006; Genomics Research Center, Academia Sinica, Taipei, Taiwan.
- Postdoctoral Fellow: 2003 – 2005; Institute of Cellular and Organismic Biology, Academia Sinica, Taipei, Taiwan.
- Postdoctoral Fellow: 1999 – 2002; Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan.

Honor

- 2012- ISSCR Travel Ward
- Honorable Mention Award for “Competition for Originality in Biotechnology”: by the Industrial Development Bureau, Ministry of Economic Affairs, 2009.
- Post-doctoral research fellow scholarship, Academia Sinica 2003-2005.

Publication

- Chiu CJ, Ling TY, Chiang BL. (2015) Lung-derived SSEA-1+ stem/progenitor cells inhibit allergic airway inflammation in mice. *Allergy*. 2015 Jan 6. doi: 10.1111/all.12567. [Epub ahead of print]
- Chang TS, Wu YC, Chi CC, Su WC, Chang PJ, Lee KF, Tung TH, Wang J, Liu JJ, Tung SY, Kuo LM, Ho HN, Ling TY, Huang YH. (2015) Activation of il6/igfir confers poor prognosis of hbv-related hepatocellular carcinoma through induction of oct4/nanog expression. *Clin Cancer Res*. 21(1):201-10.
- Ling TY, Liu YL, Huang YK, Gu SY, Chen HK, Ho CC, Tsao PN, Tung YC, Chen HW, Cheng CH, Lin KH, Lin FH. (2014) Differentiation of lung stem/progenitor cells into alveolar pneumocytes and induction of angiogenesis within a 3D gelatin--microbubble scaffold. *Biomaterials*. 35(22):5660-9.
- Chen WJ, Ho CC, Chang YL, Chen HY, Lin CA, Ling TY, Yu SL, Yuan SS, Chen YJ, Lin CY, Pan SH, Chou HY, Chen YJ, Chang GC, Chu WC, Lee YM, Lee JY, Lee PJ, Li KC, Chen HW, Yang PC. (2014) Cancer-associated fibroblasts regulate the plasticity of lung cancer stemness via paracrine signalling. *Nat Commun*. 2014 Mar 25;5:3472. doi: 10.1038/ncomms4472.
- Huang YH, Lin MH, Wang PC, Wu YC, Chiang HL, Wang YL, Chang JH, Huang YK, Gu SY, Ho HN, Ling TY (2014) Hypoxia inducible factor 2 α /insulin-like growth factor receptor signal loop supports the proliferation and Oct-4 maintenance of mouse germline stem cells. *Mol Hum Reprod*. 20(6):526-37.
- Kang KH, Ling TY, Liou HH, Huang YK, Hour MJ, Liou HC, Fu WM. (2013) Enhancement role of host 12/15-lipoxygenase in melanoma progression. *Eur J Cancer*. 2013; 49(12):2747-59
- Chang JH, Au HK, Lee WC, Chi CC, Ling TY, Wang LM, Kao SH, Huang YH, Tzeng CR.(2013) Expression of the pluripotent transcription factor OCT4 promotes cell migration in endometriosis. *Fertil Steril*. 99(5):1332-1339.
- Tai YY, Chen RS, Lin Y, Ling TY, Chen MH (2012) FGF-9 accelerates epithelial invagination for ectodermal organogenesis in real time bioengineered organ manipulation. *Cell Commun Signal*.;10(1):34.
- Wu YC, Ling TY, Lu SH, Kuo HC, Ho HN, Yeh SD, Shen CN, Huang YH. (2012) Chemotherapeutic sensitivity of testicular germ cell tumors under hypoxic conditions is negatively regulated by SENP1-controlled sumoylation of OCT4. *Cancer Res*. ;72(19):4963-73.
- Lu SH, Yen YK, Ling TY, Cheng KT, Shu JA, Au HK, Huang YH. (2010) Capacitation suppression by mouse seminal vesicle autoantigen involves a decrease in plasma membrane Ca²⁺-ATPase (PMCA)-mediated intracellular calcium. *J Cell Biochem*. 111(5):1188-98.
- Huang CJ, Chien YL, Ling TY, Cho HC, Yu J, Chang YC. (2010) The influence of collagen film nanostructure on pulmonary stem cells and collagen-stromal cell interactions. *Biomaterials* 31(32):8271-80.
- Yang RB, Au HK, Tzeng CR, Tsai MT, Wu P, Wu YC, Ling TY, Huang YH (2010) Characterization of a novel cell-surface protein expressed on human sperm. *Hum Reprod*. 25(1):42-51.
- Huang YH, Chin CC, Ho HN, Chou CK, Shen CN, Kuo HC, Wu TJ, Wu YC, Hung YC, Chang CC, Ling TY. (2009) Pluripotency of mouse spermatogonial stem cells maintained by IGF-1- dependent pathway. *FASEB J*. 23(7):2076-87.
- Cheng CJ, Wu YC, Shu JA, Ling TY, Kuo HC, Wu JY, Chang EE, Chang SC, Huang YH. (2007) Aberrant expression and distribution of the OCT-4 transcription factor in seminomas. *J Biomed Sci*. 14(6):797-807.
- Ling TY, Kuo MD, Li CL, Yu AL, Huang YH, Wu TJ, Lin YC, Chen SH and Yu J (2006) Identification of pulmonary Oct-4⁺ stem/progenitor cells and demonstration of their susceptibility to SARS-CoV infection *in vitro*. *Proc. Natl. Acad. Sci. U.S.A.* 103 (26): 9530–9535.