

CURRICULUM VITAE

B. Linju Yen, MD

Associate Investigator & Attending Physician,
Regenerative Medicine Research Group (RMRG),
Institute of Cellular and System Medicine (ICSM),
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Zhunan, Taiwan



Education

M.D., School of Medicine, University of California at San Francisco (UCSF), USA
B.A., *Summa Cum Laude*, Music, School of Fine Arts, University of California at Los Angeles (UCLA), USA

Professional & Research Experience

- 2005-09 Assistant Investigator & Attending Physician, RMRG (formerly Stem Cell Research Center), ICSM, NHRI
2003/3 Visiting scientist, Embryonic Stem Cell Research Center, UCSF
2002-05 Postdoctoral Fellow, Stem Cell Research Center, NHRI
1998-2001 Resident: PGY2 (Post-Graduate Year 2), PGY3 and Chief Resident, Department of ObGyn, National Taiwan University Hospital-En Chu Kong Hospital Joint Program, Taipei, Taiwan
1996-97 Resident: PGY1, Department of ObGyn, UCLA

Honors/Awards

- 2013 National Innovation Award, Research Division, Taiwan
2010 Junior Researcher Award, Academia Sinica, Taiwan
2010 Young Scientist Research Achievement Award, NHRI
2009 Ta-you Wu Young Scientist Award, National Science Council, Taiwan
1996-97 Best Resident Award, Department of ObGyn, UCLA
1991 Outstanding Graduating College Senior Award, UCLA

Selected Publications:

1. **Yen BL***, Yen ML, Hsu PJ, Liu KJ, Wang CH, Bai CH, Sytwu HK. Multipotent mesenchymal stromal cells mediate the expansion of myeloid-derived suppressor cells through the HGF/c-met axis and STAT3. *Stem Cell Reports* 2013;1(2):139-151. (*corresponding author)
2. Yeh YH, **Yen BL**, Hsu SH. Placental stem cells for cartilage tissue engineering. In: *Perinatal Stem Cells: Biology & Clinical Applications*, editors Atala A & Murphy SV, Springer, Berlin, Germany, in press.
3. Ho PJ, Yen ML, Tang BC, Chen CT, **Yen BL***. H₂O₂ accumulation mediate differentiation capacity alteration but not proliferative decline in senescent human fetal mesenchymal stem cells. *Antioxid Redox Signal* 2013;18;1895-905.
**Selected for Cover Art of Issue
4. Wang CH, Yen ML, Wu CC, Liou JY, Lee YW, Chou C, Wu KK, Lai YK, **Yen BL***. The role of RhoA kinase inhibition in human placenta-derived multipotent cells on neural phenotype and cell survival. *Biomaterials* 2013;34:3223-30.
5. Ho PJ, Yen ML, Yet SF, **Yen BL***. Current applications of human pluripotent stem cells:

possibilities and challenges (review). *Cell Transplant* 2012;21(5):801-14.

***Selected by Global Medical Discovery as a publication of interest*

6. Lin CY, Peng CY, Huang TT, Wu ML, Lai YL, Chen PF, Chen CF, **Yen BL**, Wu KK, Yet SF. Exacerbation of oxidative stress-induced cell death and differentiation in induced pluripotent stem cells lacking heme oxygenase-1. *Stem Cells Dev* 2012;10:1675-87.
7. Chen PM, Yen ML, Liu KJ, Sytwu HK, **Yen BL***. Immunomodulatory properties of human adult and fetal multipotent mesenchymal stem cells (review). *J Biomed Sci* 2011;18:49-59.
***Designated Highly Accessed Article **Cited by Cell Stem Cell (June 2012 issue), Perspective on Mesenchymal Stem Cells by A. Keating.*
8. Huang G, Dai L, **Yen BL**, Hsu SH. Spheroid formation of mesenchymal stem cells on chitosan and chitosan-hyaluronan membranes. *Biomaterials* 2011;32:6929-45.
9. Hsu SH*, Huang TB, Cheng SJ, Weng SY, Tsai CL, Tseng CS, Chen DC, Liu TY, Fu KY, **Yen BL***. Chondrogenesis from human placenta-derived multipotent cells (PDMCs) in 3D scaffolds for cartilage tissue engineering. *Tissue Eng Part A* 2011;17:1549-60.
10. Liu KJ, Wang CJ, Chang CJ, Hu HI, Hsu PJ, Wu YC, Bai CH, Sytwu HK, **Yen BL***. Surface expression of HLA-G is involved in mediating immunomodulatory effects of placenta-derived multipotent cells (PDMCs) towards natural killer lymphocytes. *Cell Transplant* 2011;20:1721-30.
11. Ho PJ, Yen ML, Lin JD, Chen LS, Hu HI, Yeh CK, Lin CY, Peng CY, Yet SF, **Yen BL***. Endogenous KLF4 expression in human fetal endothelial cells allows for reprogramming to pluripotency with just OCT3/4 and SOX2. *Arterioscler Thromb Vasc Biol* 2010;30:1905-7.
***Special commentary on article: Deb A, Patterson C. Closer to fine: fewer steps to endothelial stemness. Arterioscler Thromb Vasc Biol 2010;30:1880-1.*
12. Ho PJ, **Yen BL***, Yen ML. Fetal source stem cells. In *Stem Cell Bioengineering and Tissue Engineering Microenvironment*, pp.317-338, editors Shum-Tim D & Prakash S, World Scientific Publishing Co., Singapore, 2011.
13. **Yen BL**, Chang CJ, Liu KJ, Chen YC, Hu HI, Bai CH, Yen ML. Human embryonic stem cell-derived mesenchymal progenitors possess strong immunosuppressive effects towards natural killer cells as well as T lymphocytes. *Stem Cells* 2009;27:451-6.
***Designated by journal as a key paper from Asia*
14. **Yen BL**, Yen ML. Mesenchymal stem cells and cancer—for better or for worse? *J Cancer Mol* 2008;4:5-9.
15. Wu CC, Chao YC, Chen CN, Chien S, Chen YC, Chien CC, Chiu JJ*, **Yen BL***. Synergism of biochemical and mechanical stimulation in the endothelial differentiation of Placenta-derived multipotent cells (PDMCs). *J Biomech* 2008;41:813-21.
16. **Yen BL**[†], Chien CC[†], Chen YC, Chen JT, Huang JS, Lee FK, Huang HI. Placenta-derived multipotent cells (PDMCs) differentiate into neural and glial cells in vitro. *Tissue Eng* 2008;14:9-17 [[†]equal contribution].
17. **Yen BL**, Yen ML, Liu KJ, Chiu RC. Recent Advances in Stem Cell Immune Tolerance. In: *Immune Tolerance Research Developments*, pp.151-166, editor Pontell EB, Nova Science Publishers, Hauppauge, NY, 2008.
18. Yen ML, Chien CC, Chiu IM, Huang HI, Chen YC, Hu HI, **Yen BL***. Multilineage differentiation and characterization of the human fetal osteoblastic 1.19 cell line: a possible *in vitro* model of human mesenchymal progenitors. *Stem Cells* 2007;25:125-31.
19. Chang CJ, Yen ML, Chen YC, Chien CC, Huang HI, Bai CH, **Yen BL***. Placenta-derived multipotent cells (PDMCs) exhibit immunosuppressive properties which are enhanced in the presence of interferon- γ . *Stem Cells* 2006;24:2466-77. [Cited 82 times (Web of Science)]
20. Chien CC, **Yen BL**, Lee FK, Lai TH, Chen YC, Chang SH, Huang HI. In vitro differentiation of human placenta-derived multipotent cells (PDMCs) into hepatocyte-like cells. *Stem Cells* 2006;24:1759-68. [Cited 76 times (Web of Science)]
21. **Yen BL**[†], Huang HI[†], Chien CC, Jui HY, Ko BS, Yao M, Shun CT, Lee MC, Chen YC. Isolation of multipotent cells from the human term placenta. *Stem Cells* 2005;23:3-9. [Cited 190 times (Web of Science)]