

Curriculum Vitae

Hsin-Yang Li, M.D., Ph.D.

**Department of Obstetrics and Gynecology,
Taipei Veterans General Hospital**

**Division of Obstetrics and Gynecology/Institute of Anatomy and Cell Biology,
School of Medicine,
National Yang-Ming University**

- EDUCATION: 1984-1991 M.D.
National Yang Ming College, Taiwan, R.O.C.
Faculty of medicine
- 1998-2003 Ph.D.
National Yang Ming University, Taiwan, R.O.C.
Institute of Clinical Medicine
- EXPERIENCE: 1991-1996 Resident doctor
Department of Obstetrics and Gynecology
Veterans General Hospital, Taipei, Taiwan,
R.O.C.
- 1997-present Attending doctor
Division of Reproductive Endocrinology
Department of Obstetrics and Gynecology
Veterans General Hospital, Taipei, Taiwan,
R.O.C.
- 2009-2011 Chief
Division of Human Genetics
Department of Obstetrics and Gynecology
Veterans General Hospital, Taipei, Taiwan,
R.O.C.
- 2011-present Chief
Division of Reproductive Endocrinology

Department of Obstetrics and Gynecology
Veterans General Hospital, Taipei, Taiwan,
R.O.C.

- 2002-present Secretary
Fertility Society of R.O.C.
- 2003-2004 Reviewer
Biology of Reproduction
- 2003-2004 Post-doc fellow
Department of Biological Chemistry,
School of Medicine,
Johns Hopkins University
- 2004-2011 Assistant professor
Division of Obstetrics and Gynecology,
Faculty of Medicine, School of Medicine,
National Yang-Ming University
- 2011-present Associate professor
Division of Obstetrics and Gynecology,
Faculty of Medicine, and Institute of Anatomy
and Cell Biology, School of Medicine,
National Yang-Ming University

CERTIFICATION AND LICENSURE:

Board of Obstetrics and Gynecology, Taiwan, R.O.C.,
1996-present

Pass USMLE (United States Medical Licensing Examination)
step 1 and step 2.

Accredited doctor of assisted reproductive technology, Taiwan,
ROC.

AWARDS

Clinical Teaching Award, Taipei Veterans General Hospital, 1999 and 2006.

Excellent Doctor Award, Taipei Veterans General Hospital, 2006, 2011 and 2013

Excellent Research Paper of Year 2001, Taiwan Association of Obstetrics & Gynecology

RESEARCH INTEREST

Embryo implantation mechanisms

Improvement in assisted reproduction technologies

Application of stem cells in reproductive medicine

INTERNATIONAL LECTURES AND PRESENTATION

1. Hsin-Yang Li. Invited lecture: Molecular mechanisms of embryo implantation. XXII Asian and Oceanic Congress of Obstetrics and Gynecology, 2011.
2. Chen-Yu Huang and Hsin-Yang Li. Oral presentation: Effect of low dose hCG support on GnRH-agonist triggered IVF/ICSI cycles. Annual meeting of American Society of Reproductive Medicine, 2011.

PUBLICATIONS OF HSIN-YANG LI (李新揚)

1. Kuan-chong chao, Chi-ching Chang, **Hsin-Yang Li**, Ming-shyen Yen, Heung-Tat Ng. Identification of human papillomavirus type 16 DNA in cervical squamous intraepithelial neoplasm by polymerase chain reaction. J. OB/GYN. ROC. 34:127-130, 1995.
2. Kuan-chong chao, Heung-Tat Ng, Ming-shyen Yen, **Hsin-Yang Li**, Chi-ching Chang. The effect of granulocyte colony-stimulating factor on the growth of human ovarian carcinoma cells in vitro. J. OB/GYN. ROC. 35:11-18, 1996.
3. **Hsin-Yang Li**, Kuan-Chong Chao, Heung-Tat Ng. Metastatic ovarian cancer of unknown origin J. Gynecol. Oncol. ROC. 2:8-12, 1996.
4. **Hsin-Yang Li**, Hwa-Shyi Wu, Long-Mou Chiu, Shein-Pin Shuai, Heung-Tat Ng. Adenosquamous cell carcinoma of the cervix: a clinical analysis of 28 cases. J.

- Gynecol. Oncol. ROC. 2:27-31, 1996.
5. **Hsing-Yang Li**, Jeng-Hsiu Hung. Application of ultrasound to screening of ovarian cancer. J. Gynecol. Oncol. ROC. 1:13-15, 1997.
 6. **Hsin-Yang Li**, Ken-Jen Yu. Leiomyosarcoma of uterus: a clinical analysis of 17 cases. J. Gynecol. Oncol. ROC. 1:24-27, 1997.
 7. **Hsin-Yang Li**, Teng-Sheng Chang. Vaginal fluid creatinine, human chorionic gonadotropin, and alpha-fetoprotein levels for detecting premature rupture of membranes. Chi. Med. J. 63:686-690, 2000.
 8. **Hsin-Yang Li**, Sheng-Ping Chang, Chiou-Chung Yuan, Hsiang-Tai Chao, Heung-Tat Ng, Yen-Jen Sung. Nitric oxide induces extensive apoptosis in endometrial epithelial cells in the presence of progesterone: involvement of mitogen-activated protein kinase pathways. Mol. Hum. Reprod. 7:755-763, 2001.
 9. **Hsin-Yang Li**, Sheng-Ping Chang, Chiou-Chung Yuan, Hsiang-Tai Chao, Heung-Tat Ng, Yen-Jen Sung. Establishment of an efficient method to quantify embryo attachment to endometrial epithelial cell monolayers. In Vitro Cell. Dev. Biol.-Animal. 38:505-511, 2002.
 10. **Hsin-Yang Li**, Sheng-Ping Chang, Chiou-Chung Yuan, Hsiang-Tai Chao, Heung-Tat Ng, Yen-Jen Sung. Induction of p38 mitogen-activated protein kinase-mediated apoptosis is involved in outgrowth of trophoblast cells on endometrial epithelial cells in a model of human trophoblast-endometrial interactions. Biol. Reprod. 69:1515-1524, 2003.
 11. Kuan-Hao Tsui, Ling-Yun Chen, Miawh-Lirng Shieh, Sheng-Ping Chang, Chiou-Chung Yuan and **Hsin-Yang Li (correspondence author)**. Interleukin-8 can stimulate progesterone secretion from a human trophoblast cell line, BEWO. In Vitro Cell. Dev. Biol.-Animal. 40:331-336, 2004.
 12. Dau-Ming Niu, Jing-Ying Huang, **Hsin-Yang Li**, Kai-Ming Liu, Shih-Ting Wang, Yann-Jang Chen, Toru Udaka, Kosuke Izumi, and Kenjiro Kosaki. Paternal gonadal mosaicism of NIPBL mutation in a father of siblings with Cornelia de Lange syndrome. Prenat. Diagn. 26:1054-1057, 2006.

13. **Hsin-Yang Li**, Jin-Te Shen, Sheng-Ping Chang, Wei-Lun Hsu, and Yen-Jen Sung. Calcitonin promotes outgrowth of trophoblast cells on endometrial epithelial cells: involvement of calcium mobilization and protein kinase C activation. *Placenta* 29:20-29, 2008.
14. Wei-Lun Hsu, Ya-Hui Chen, Kuan-Chong Chao, Sheng-Ping Chang, Kuan-Hao Tsui, **Hsin-Yang Li (correspondence author)**, and Yen-Jen Sung (correspondence author). Anti-Fas activating antibody enhances trophoblast outgrowth on endometrial epithelial cells by induction of p38 MAPK/JNK-mediated apoptosis. *Placenta* 29:338-346, 2008.
15. Lily Wen, Li-Hsun Chen, **Hsin-Yang Li (correspondence author)**, Sheng-Ping Chang, Chen-Yi Liao, Kuan-Hao Tsui, Yen-Jen Sung, and Kuan-Chong Chao. Roles of estrogen and progesterone in endometrial hemodynamics and vascular endothelial growth factor production. *J. Chin. Med. Assoc.* 72:188-193, 2009.
16. Jen-Yu Tseng, Ming-Jie Yang, Chih-Chun Yang, Kuan-Chong Chao, and **Hsin-Yang Li (correspondence author)**. Acute cholecystitis during pregnancy: What is the best approach? *Taiwan. J. Obstet. Gynecol.* 48:305-307, 2009.
17. Chung-Lan Kao (correspondence author), Lung-Ko Tai, Shih-Hwa Chiou, Yi-Jen Chen, Kung-Shun Lee, Shih-Jie Chou, Yuh-Lih Chang, Chia-Ming Chang, Shih-Jen Chen, Hung-Hai Ku, and **Hsin-Yang Li (correspondence author)**. Resveratrol promotes osteogenic differentiation and protects against dexamethasone damage in murine induced pluripotent stem cells. *Stem Cells Dev.* 19:247-258, 2010.
18. **Hsin-Yang Li**, Yi-Jen Chen, Shih-Jen Chen, Chung-Lan Kao, Ling-Ming Tseng, Wen-Liang Lo, Chia-Ming Chang, Der-Ming Yang, Hung-Hai Ku, Nae-Fang Twu, Shih-Hwa Chiou, and Yuh-Lih Chang. Induction of insulin-producing cells derived from endometrial mesenchymal stem-like cells. *J. Pharmacol. Exp. Ther.* 335:817-29, 2010.
19. Shih-Jen Chen, Chia-Ming Chang, Shen-Kou Tsai, Yuh-Lih Chang, Shiang-Suo Huang, Lung-Kuo Tai, **Hsin-Yang Li**, Yu-Chih Chen, Yi-Jen Chen, Hung-Hai Ku, and Shih-Hwa Chiou. Functional improvement of focal cerebral ischemia injury by subdural transplantation of induced pluripotent stem cells with fibrin glue. *Stem Cells Dev.* 19:1757-1767, 2010.

20. Yi-Jen Chen, **Hsin-Yang Li**, Lung-Kuo Tai, Yuh-Lih Chang, Ming-Shyen Yen, Chiou-Chung Yuan, Chia-Ming Chang, Kai-Hsi Lu, and Shih-Hwa Chiou. Suppression of migratory/invasive ability and induction of apoptosis in adenomyosis-derived mesenchymal stem cells by cyclooxygenase-2 inhibitors. *Fertil. Steril.* 94:1972-1979, 2010.
21. Yi-Jen Chen, **Hsin-Yang Li**, Chi-Hung Huang, Nae-Fang Twu, Ming-Shyen Yen, Peng-Hui Wang, Teh-Ying Chou, Yen-Ni Liu, Kuan-Chong Chao and Muh-Hwa Yang. Oestrogen-induced epithelial–mesenchymal transition of endometrial epithelial cells contributes to the development of adenomyosis. *J. Pathol.* 222:261-270, 2010.
22. Tu-Lai Yew*, Yeh-Ting Hung*, **Hsin-Yang Li* (equal first author)**, Hsin-Wei Chen, Ling-Lan Chen, Kuo-Shu Tsai, Shih-Hwa Chiou, Kuan-Chong Chao, Tung-Fu Huang, Hen-Li Chen, and Shih-Chieh Hung. Enhancement of wound healing by human multipotent stromal cell conditioned medium: the paracrine factors and p38MAPK activation. *Cell Transplant.* 20:693-706, 2011.
23. **Hsin-Yang Li**, Chen-Yi Liao, Kun-Hsiung Lee, Hung-Chi Chang, Yi-Jen Chen, Kuan-Chong Chao, Sheng-Ping Chang, Hsin-Yi Cheng, Chia-Ming Chang, Yuh-Lih Chang, Shih-Chieh Hung, Yen-Jen Sung (correspondence author), and Shih-Hwa Chiou (correspondence author). Collagen IV significantly enhances migration and transplantation of embryonic stem cells: involvement of $\alpha 2\beta 1$ integrin-mediated actin remodeling. *Cell Transplant.* 20:893-907, 2011.
24. Kuan-Hao Tsui, Peng-Hui Wang, Chia-Kai Chen, Yi-Jen Chen, Shih-Hwa Chiou, Yen-Jen Sung, and **Hsin-Yang Li (correspondence author)**. Non-classical estrogen receptor actions on human dermal fibroblasts. *Taiwan. J. Obstet. Gynecol.* 50:474-478, 2011.
25. Shih-Hwa Chiou, Shih-Jen Chen*, Yuh-Lih Chang*, Yu-Chih Chen*, **Hsin-Yang Li* (equal second author)**, Dow-Tien Chen, Hsin-Hui Wang, Chia-Ming Chang, Yi-Jen Chen, and Hung-Hai Ku. MafA promotes the reprogramming of placenta-derived multipotent stem cells into pancreatic islets-like and insulin-positive cells. *J. Cell. Mol. Med.* 15:612-624, 2011
26. Kuang-Yao Yang, Hsin-Chin Shih, Chorng-Kuang How, Cheng-Yu Chen,

Han-Shui Hsu, Ching-Wen Yang, Yu-Chin Lee, Reury-Perng Perng, **Hsin-Yang Li**, Chia-Ming Chang, Chung-Yuan Mou, and Shih-Hwa Chiou. Intravenous delivery of induced pluripotent stem cells attenuates endotoxin-induced acute lung injury in mice. *Chest* 140:1243-1253, 2011.

27. **Hsin-Yang Li**, Yueh Chien, Yi-Jen Chen, Szu-Fu Chen, Yuh-Lih Chang, Chih-Hung Chiang, Shaw-Yeu Jeng, Chia-Ming Chang, Mong-Lien Wang, Liang-Kung Chen, Shuen-Iu Hung, Teh-Ia Huo, Shou-Dong Lee, and Shih-Hwa Chiou. Reprogramming induced pluripotent stem cells in the absence of c-Myc for differentiation into hepatocyte-like cells. *Biomaterials* 32:5994-6005, 2011.
28. Kuan-Chong Chao, Chi-Hong Ho, Wen-Yuann Shyong, Chen-Yu Huang, Shu-Chuan Tsai, Hsin-Yi Cheng, Luoh-Chyi Chou, Chih-Hsiu Lin, and **Hsin-Yang Li**. Anti-Mullerian hormone serum level as a predictive marker of ovarian function in Taiwanese women. *J. Chin. Med. Assoc.* 75:70-74, 2012.
29. Yuh-Lih Chang, Shih-Jen Chen, Cheng-Chia Yu, Dah-Ching Ding, Yi-Jen Chen, Hung-Hai Ku, Chin-Po Lin, Shih-Chieh Hung, Kun-Hsiung Lee, Liang-Kung Chen, Chung-Lan Kao, Jhi-Joung Wang, Chuan-Chih Hsu, **Hsin-Yang Li** (**correspondence author**), and Shih-Hwa Chiou (correspondence author). Docosahexaenoic acid promotes dopaminergic differentiation in induced pluripotent stem cells and inhibits teratoma formation in rats with parkinson-like pathology. *Cell Transplant.* 21:313-332, 2012.
30. Yi-Jen Chen, Hua-Hsi Wu, Wan-Ting Liao, Chang-Youh Tsai, Hsiao-Wen Tsai, M.D., Kuan-Chong Chao, Yen-Jen Sung, and **Hsin-Yang Li** (**correspondence author**). A tumor necrosis factor- α inhibitor reduces the embryotoxic effects of endometriotic peritoneal fluid. *Fertil. Steril.* (accepted), 2013.