Wei -Yu Lo, Ph. D.

Education

Year	Degree	Institution
1997	Ph.D.	Institute of Microbiology and Immunology, School of Life Science, National Yang-Ming University, Taipei, Taiwan, R.O.C.

Experiences

2007/9– Current	R&D Vice President Cord Blood Bank; Lab. Director (AABB, CAP, FACT, TAF ISO 17025 accredited Lab) Mesenchymal Stem Cell Bank; Lab. Director (TAF ISO 17025 accredited Lab) ***HealthBanks Biotech Co., Ltd. Taipei, Taiwan, R.O.C.***
2004/10 – 2007/9	Assistant Professor, Graduate Institute of Cell and Molecular Biology, ***Taipei Medical University, Taipei, Taiwan, R.O.C.*** Senior Researcher, Center for Stem Cell Research, ***Municipal Wan-Fang Hospital, Taipei, Taiwan, R.O.C.***
2001/9 – 2004/10	RD director and GLP Lab. director, ***Anawrahta biotech. Co., LTD, Taipei, Taiwan, R.O.C.***
1998/10-2001/9	Senior scientist, ***Anawrahta biotech. Co., LTD, Taipei, Taiwan, R.O.C.***
1997/8-1998/9	Post-doctor, Institute of Microbiology and Immunology, School of Life Science, National Yang-Ming University, Taipei, Taiwan, R.O.C.

Membership

American Association of Blood Banks (AABB)
International Society of Cellular Therapy (ISCT)
American Society for Histocompatibility and Immunogenetics (ASHI)

Research Field

Molecular and cellular biology of hematopoietic stem cells
Molecular and cellular biology of mesenchymal stem cells
Proliferation and differentiation control of erythroblast
Dendritic-cell based Immunotherapy
Molecular biology of hepatitis B virus

LIST OF PUBLICATIONS

Patent

1. Cryopreservation of Umbilical Cord Tissue for Cord Tissue-Derived Stem Cells. (2011) US 13245145
2. LAC Shuttle Vector. (2006) United States Patent No: US7026162
3. Enhancing Cell-based Immunotherapy (2006). United States Patent No: US7118753
4. Placenta Derived Apoptotic Factor. (2004) United States Patent No: US6689867.

Full Papers

1. Jiun-Yih Yeh, Ming-Shien Yen, **Wei-Yu Lo**, Kuan-Chong Chao, Chiou-Chung Yuan, and Chi-Mou Juang. (2009) Physiology and Potential Application of NKT Cells: A Minireview. Chinese Journal of Physiology 52(5): 275-279
2. Chau-Hua Chi, I-Li Liu, **Wei-Yu Lo**, Bor-Song Liaw, Yu-Shan Wang, Kwan-Hwa Chi. (2005) Hepatocyte growth factor gene therapy prevents radiation-induced liver damage. *World J Gastroenterol*.11:1496-1502
3. Sun CT, **Lo WY**, Wang IH, Lo YH, Shiou SR, Lai CK, and L.P. Ting. (2001) Transcription Repression of Human Hepatitis B Virus Genes by NREBP/SON. *J. Biol Chem*. 276:24059~24067. (The first two authors contributes equally to this paper)
4. **W.Y. Lo**, and L.P. Ting. (1994) Repression of Enhancer II Activity by a Negative Regulatory Element in Hepatitis B Viral Genome. *J. Virol.* 68:1758~1764.
5. Negative Regulatory Element and its Binding Protein of Hepatitis B Virus (Ph, D. Thesis)

Conference Poster

1. Sheng-Hsien Chen, Jhi-Joung Wang, Hsiu-Kang Chang, Wei-Chun Chen, Fong-Ming Chang, **Wei-Yu Lo** (2012) Comparison of therapeutic effects between human umbilical cord derived mesenchymal stem cells and human umbilical cord blood derived hematopoietic stem cells on experimental heatstroke. 18th ISCT Annual Meeting, Seattle.
2. **Wei Yu Lo**, Ching Shing Hsu, Huang-Wen Wang, Tsai-Chieh Huang, Hsiu-Kang Chang, Chia-Yau Chang, Chun-Sen Hsu. (2009) Establishment of Public Cord Blood Bank in Taiwan: A Five Years Experiment in HealthBanks Biotech Company. Transfusion. 49 (Suppl. 3):181A; AABB Annual Meeting, New Orlean.
3. **Wei-Yu Lo**, Ya-Fen Chiu, Pei-Chen Shen, Chiu-Hua Kung, Hui-Ju Wang, Jia-Ling Sheng, Hsin-Chen Lu, Yun- Chen Lin. Animal Sera-Free Medium Sustains Superior Primitive Characteristics of Fetal Mesenchymal Stem Cells During Extensive *Ex Vivo* Expansion (2009) 15th ISCT Annual Meeting, San

Diego.

4. **Wei-Yu Lo**, Pei-Chen Shen, Kai Hsia, Ya-Fen Chiu, Li-Tin Huang, Chien-Hung Liu, Yun- Chen Lin. Use of Animal Sera-Free Medium for Isolation of Human Mesenchymal Stem Cells from Fetal and Adult Tissue (2009) 15th ISCT Annual Meeting, San Diego.
5. **Wei-Yu Lo**, Ya-Fen Chiu, Yi-Pin Chang, Chiu-Hua Kung, Hui-Ju Wang, Pei-Jan Shen, Yun- Chen Lin, Wei-Tswen Chen, Hsiu-Kang Chang. (2008) Isolation and expansion of human umbilical cord mesenchymal stem cells using animal sera-free medium. Taiwan Society for Stem Cell Research , TSSCR
6. **Wei-Yu Lo**, Shih-Chen Chen, and Daniel Tzu-bi Shih. (2007) Hypoxic induction of inflammatory chemokine and neuro-vasculogenic factors in human adult erythropoiesis. Taiwan Society for Stem Cell Research , TSSCR
7. Shih-Chen Chen, **Wei-Yu Lo**, and Daniel Tzu-bi Shih. (2007)The distinct roles of SCF and EPO in human fetus and adult RBC formation. Taiwan Society for Stem Cell Research , TSSCR
8. **Wei-Yu. Lo**. and Daniel Tzu-bi Shih. (2005) Involvements of Human Erythroid Autocrines/Paracrines in Tissue Wound Healing under Hypoxia Condition. 13th symposium on Recent Advances in Cellular and Molecular Biology.
9. Daniel Tzu-bi Shih, **Wei-Yu Lo**, Dong Chi Ku, Shih Chen Chen, Chen-Yi Wu, and Chen-Hsen Hsu. (2005) Stem Cell Primary Culture System for Drug Function and Toxicity Analyses: Evaluation of Some Bu-Yi Chinese medicine's Protective and Repairing Effects on Human Tissue Stem/Progenitors in Cancer Therapy. 13th symposium on Recent Advances in Cellular and Molecular Biology..
10. Daniel Tzu-bi Shih, Shih Chen Chen, Chen-Yi Wu, Chen-Hsen Hsu, Wen-Da Chiu, and **Wei-Yu. Lo**. (2004) Involvements of Human Erythroid Autocrines in Tissue Wound Healing and Maintenance of Normal Hematopoietic Homeostasis. 12th symposium on Recent Advances in Cellular and Molecular Biology.
11. C.K. Lai, **W.Y. Lo,** Y.H. Lo and L.P. Ting. (2000) Transcription regulation of HBV genome. The fifteen joint annual conference of biomedical science.
12. **W.Y. Lo** and L.P. Ting. (1997) Repression of the hepatitis B virus core promoter activity by NRE binding protein. 1997. Molecular biology of hepatitis B virus. Paris-France.
13. **W.Y. Lo** and L.P. Ting. (1993) Repression of enhancer II activity by a negative regulatory element in hepatitis B viral genome. The Chinese Society of Microbiology