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Associate Professor

Division of Hematopathology

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Education:

3/78 - 11/82 MD. Beijing Medical University, China

9/83 - 07/86 MS. Beijing Medical University, China

Postgraduate Training and Clinical Training:

Residency:

07/96 - 06/98 Pathology Resident, Anatomic Pathology, Department of Pathology, Albert Einstein College of Medicine, Bronx, New York 14607

07/98 - 06/00 Pathology Resident, Clinical Pathology, Department of Pathology & Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104

Fellowships:

07/00 – 06/01 Hematopatholgy Fellow, Department of Pathology, Immunology, & Laboratory Medicine, University of Florida College of Medicine, Gainesville, FL 32608

01/89 - 01/93 Postdoctoral fellow, Department of Biochemistry & Biophysics, University of Pennsylvania School of Medicine, Philadelphia, PA 19104

Faculty Appointments:

- 07/06 – Date Associate Professor, Department of Pathology, Immunology, & laboratory Medicine, University of Florida College of medicine, Gainesville, FL
- 07/01 - 06/06 Assistant Professor, Department of Pathology, Immunology, & laboratory Medicine, University of Florida College of medicine, Gainesville, FL
- 07/96 - 06/99 Adjunct Assistant Professor, Department of Biochemistry & Biophysics, University of Pennsylvania School of Medicine, Philadelphia, PA
- 01/93 - 06/96 Research Assistant Professor, Department of Biochemistry & Biophysics, University of Pennsylvania School of Medicine, Philadelphia, PA
- 09/86 - 10/88 Instructor in Cell Biology, Department of Cell Biology, Beijing Medical University, Beijing, China

Licensure and Certification:

1995. Diplomat, ECFMG
1996. Diplomat, National Board of Medical Examination
1997. Registered Physician, Pennsylvania
2000. Diplomat, American Board of Anatomic and Clinical Pathology
2000. Registered Physician, Florida
2001. Diplomat, American Board of Pathology in Hematology

Honors and Awards:

- 2003-08 Clinical Scientist Mentored Research Award (K08), NIH
- 2001-03 Stop! Children Cancer Research Award
- 1994-97 American Diabetes Association Research Career Development award
- 1992- 93 NIH Postdoctoral Research Fellowship

Memberships in Professional Societies:

- 2003 - American Diabetes Association
- 2003 - Society for Hematopathology
- 2003 - International Society for Stem Cell Research
- 2001 - American Society of Hematology
- 1996 - American Society of Clinical Pathologists
- 1996 - College of American Pathologists

- 1996 - 98 New York Pathologist Club
- 1998 - 00 Philadelphia Pathologist Club
- 1992 - 99 American Society for Biochemistry & Molecular Biology
- 1993 - 98 American Diabetes Association
- 1994 - 97 American Association for Advanced Science
- 1993 - 97 New York Academy of Science

Selected original Publications:

1. Han, S.H., Wang, B., Chou, W., Chen, L., **Yang, L.J.**, Zucali, J., Moreb, J.S., & Chang, L.J. Overcoming Immune Tolerance To Multiple Myeloma Using Lentiviral Calnexin-Engineered Dendritic Cells. *Blood*. Submitted
2. Fan Yang, Ying Li, Raul Braylan, Stephen P. Hunger, and **Li-Jun Yang** (2006). Pediatric T-Cell Post-Transplant Lymphoproliferative Disorder after Solid Organ Transplantation. *Pediatric Blood & Cancer* In press
3. Samer Z. Al-Quran, **Li-Jun Yang**, James M. Magill, Raul C. Braylan, Vonda K. Douglas-Nikitin. Assessment of Bone Marrow Plasma Cell Infiltrates in Multiple Myeloma: the Value of CD138 Immunohistochemistry. Submitted
4. Tang, D.Q., Burkhardt, B., Cao, L.Z., Litherland, S., Atkinson, M. and **Yang, L.J.** Derivation of functional insulin-producing cells from human bone marrow-derived stem cells. *Stem Cells* in revision.
5. Yang, L.J. (2006). Liver Stem Cells Derived Surrogates for Treatment of Type 1 Diabetes. *Autoimmunity Reviews*. July;5(6):409-413
6. Peck, AB, Petersen, B, Ramiya, V & **Yang, L.J.** (2005). The many faces of adult stem cell-derived, in vitro-generated insulin-producing islet-like cells for the treatment of type 1 diabetes. In: Progress in Stem Cell Research Ed: Markino M. Nova Science Publishers, Inc., New York
7. Chen, X., Xie, C.Q, Zhang, L, Xu, K.F., Thompson, W.E., **Yang, L.J.**, Chen, Y.E. (2005) Derivation of adipocytes from human embryonic stem cells. *Stem Cells and Development*. Dec; 14(6):671-5.
8. Tang, D.Q., Cao, L.Z., Li, S.W., Farag, C., Chang, L.J., and **Yang, L.J.** (2006). Critical role of Pax4 in Pdx-1 mediated liver to endocrine pancreas transdifferentiation. *Laboratory Investigation* Aug;86(8):829-41
9. Tang DQ, Lu S, Sun YP, Rodrigues E, Chou W, Yang C, Cao LZ, Chang LJ, and **Yang L.J.** Reprogramming liver-stem WB cells into functional insulin-producing cells by persistent expression of Pdx1- and Pdx1-VP16 mediated by lentiviral vectors. *Laboratory Investigation* 2006 Jan;86(1):83-93

10. Chen, X., Tang, D.Q., Xie, C.Q., Zhang, L., Xu, K.F., Thompson, W.E., Chou, W., Chang, L.J. #, **Yang, L.J.** #, and Chen, Y.E. # (2005). Stable, high-efficiency expression of transgenes and small Interfering RNAs in human embryonic stem cells using lentiviral vectors. *Stem Cells and Development* in press # Shared senior authorship.
11. Cao, L.Z., Tang, D.Q., Li, S.W., Horb, M.A. and **Yang, L.J.** (2004). External factors are necessary for Pdx-1 transfected hepatic cells to transdifferentiate into functional pancreatic endocrine insulin-producing cells. *Diabetes* 53 (12): 3168-78.
12. Yuan, C. and **Yang, L.J.** (2004). Unusual loss of CD103 in a subset of cells in a case of Hairy Cell Leukemia. *Clinical Cases in Flow Cytometry*.
13. Tang, D.Q., Cao, L.Z., Burkhardt, B.R., Xia, C.Q., Litherland, S.A., Atkinson, M.A., and **Yang, L.J.** (2004). *In Vivo* and *In Vitro* Characterization of Insulin-Producing Cells Obtained from Murine Bone Marrow. *Diabetes*. 53(7):1721-32
14. Yuan, C., Douglas, V., Luchetta, G., Ahrens, K., Braylan, R. and **Yang, L.J.** (2004). Drag5-based cell cycle analysis of cell subpopulations discriminated by surface antigens and light scatter in hematopoietic tissue. *Flow Cytometry*, 58B:47-52
15. Li S.W, Tang D.Q, Ahrens KP, She J.X, Braylan R.C., **Yang, L.J.** (2003) All-trans-retinoic acid induces CD52 expression in acute promyelocytic leukemia. *Blood*. 101(5):1977-80.
16. **Yang, L.J.***, Zhao, HS, Li, SW, Collins, and. She, JX (2003). Gene expression patterns of retinoid acid-induced granulocytic differentiation of acute promyelocytic leukemic cells. *Journal of Molecular Diagnostics*. 5(4):212-221. * **First and corresponding author.**
17. **Yang, L.J.***, Li, S.W., Hatch, H., Ahrens, K., Petersen, B.E. & Peck, A.B (2002). In vitro trans-differentiation of adult hepatic stem cells into pancreatic endocrine hormone-producing cells. *Proceedings of National Academy Science* 99: 8078-8083 * **First and corresponding author.**
18. Maloney, J., **Yang, L.J.**, Li, Q.Y., and Williamson, J.R. (1999) Activation of ERK by calcium store depletion in rat liver epithelial cells. *American Journal of Physiology*, 276 (Cell Physiology 45): C221-C230
19. **Yang, L.J.**, Guo, Y.L., Maloney, J.A., & Williamson, J.R. (1999). Angiotensin II regulation of extracellular signal-regulated protein kinase in rat liver epithelial WB cells. *Biochemical Pharmacology*, Vol. 57, pp.425-432
20. Guo, Y.L., Kang, B., **Yang, L.J.** and Williamson, J.R. (1999) Tumor necrosis factor-alpha and ceramide induce cell death through different mechanisms in rat mesangial cells. *American Journal of Physiology*, 276 (Renal Physiology 45): F390-F397

21. Maloney, J.A., Tsygankova, O., Szot, A., **Yang, L.J.**, Li, Q.Y., Williamson, J. R. (1998) Differential translocation of protein kinase C isozymes by phorbol esters, EGF, and ANG II in rat liver WB cells. *Am J Physiol (Cell Physiol)* 274: C974-C982
22. Guo, Y.L., Baysal, K., Kang, B., **Yang, L.J.**, and Williamson, J.R. (1998) Correlation between Sustained c-Jun N-terminal Protein Kinase Activation and Apoptosis Induced by Tumor Necrosis Factor-alpha in Rat Mesangial Cells. *J. Biol. Chem.*, 273: 4027-4034
23. Pei, Z.D. Maloney, J. **Yang, L.J.**, and Williamson, J.R. (1997). A new function for phospholipase C-r1: Coupling to the adaptor protein GRB2. *Archives of Biochemistry and Biophysics* 345, 1. 103-110
24. Pei, Z. D., **Yang, L. J.**, and Williamson, J. R. (1996) Phospholipase C-r1 binds to actin-cytoskeleton via its C-terminal SH2 domain *in vitro*. *Biochemical and Biophysical Research Communication*, 228, 802-806
25. **Yang, L.J.**, Rhee, S.G. and Williamson, J.R. (1994). Epidermal growth factor-induced activation and translocation of phospholipase C-r to the cytoskeleton in rat hepatocytes. *Journal of Biological Chemistry* 269: 7156-7162
26. Baffy, G., **Yang, L.J.**, Manning, D.R. and Williamson, J.R. (1994) G-protein coupling to the thrombin receptors in Chinese hamster lung fibroblasts. *Journal of Biological Chemistry* 269:8483-8487
27. Baffy, G., **Yang, L.J.**, Wolf, B.A., and Williamson, J.R. (1993) G-protein specificity in signaling pathways that mobilize calcium in the insulin-secreting - TC3 cells. *Diabetes*. 42: 1878-1882
28. **Yang, L.J.**, Camoratto, A.M, Baffy, G., Raj, S., Manning, D.R. and Williamson, J.R. (1993) Epidermal growth factor-mediated signaling of Gi-protein to activation of phospholipases in cultured rat hepatocytes. *Journal of Biological Chemistry* 268:3739-3746
29. Baffy,G., **Yang, L.J.**, Michalopoulos, G.K. and Williamson, J.R. (1992) Hepatocytes growth factor induces calcium mobilization and inositol phosphate production in rat hepatocytes. *Journal of Cellular Physiology* 153: 332-339
30. Hansen, C.A., **Yang, L.J.**, and Williamson, J.R. (1991). Mechanisms of receptor-mediated Ca²⁺ signaling in rat hepatocytes. *Journal of Biological Chemistry*. 266:18573-18579
31. **Yang, L.J.**, Baffy, G., Rhee, S.G., Manning, D., Hansen, C.A. and Williamson, J.R. (1991). Pertussis toxin-sensitive Gi-protein involvement in epidermal growth factor-induced activation of phospholipase C-r in rat hepatocytes. *Journal of Biological Chemistry* 266:22451-22458