

## CURRICULUM VITAE

### BIOGRAPHICAL

**Name:** Liping Liu, MD & PhD  
**Birthplace:** Changchun, China  
**Citizenship:** China, USA permanent resident  
**E-Mail:** lipingliu@ufl.edu

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### EDUCATION

#### POSTGRADUATE:

07/2015-06/2016 Pulmonary Pathology Fellow, Mayo Clinic, Rochester, MN  
07/2014-06/2015 Surgical Pathology Fellow, Mayo Clinic, Rochester, MN  
07/2010-06/2014 Resident of Anatomic and Clinical Pathology, University of Nebraska Medical Center, Omaha, NE.

#### GRADUATE:

08/1997-07/2001 Peking University Health Science Center, China Ph.D.

#### UNDERGRADUATE:

08/1992-07/1997 Cum Laude, Beijing Medical University, Beijing, China M.D

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### BOARD CERTIFICATION AND MEDICAL LICENSURE

08/2014: American Board of Pathology-Anatomic and Clinical Pathology  
10/2013-09/2014: Nebraska License #27583  
03/2014-04/2016: Minnesota License #57597  
06/2016: Florida License #

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### HONORS AND AWARDS

Resident Outstanding Research Paper Award, Department of Pathology and Microbiology,  
University of Nebraska Medical Center, Omaha, NE 2014

Fourth Place Junior Member abstract at CAP'12, College of American Pathologists 2012

Resident Outstanding Research Paper Award, Department of Pathology and Microbiology,  
University of Nebraska Medical Center, Omaha, NE 2011

IET award for excellent graduate student of Peking University Health Science Center 2000

Cum Laude, Beijing Medical University 1997

Excellent Student Scholarship of Beijing Medical University, continuously 1993~1997

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### EMPLOYMENTS

07/2016- Assistant Professor, Department of Pathology, Immunology and Laboratory  
Medicine, University of Florida College, Gainesville, FL.

08/2004-06/2010 Postdoctoral Research Associate/Research Associate. University of  
Nebraska Medical Center, Omaha, NE.

09/2001-07/2004 Postdoctoral Research Associate. Vascular Biology Laboratory, Human  
Nutrition Research Center on Aging, Tufts University, Boston, MA.

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### PROFESSIONAL ACTIVITIES

#### TEACHING:

Mayo Clinic Resident Case Unknown Session – 04/2016  
Pulmonary Working Group Journal Club Presentation – 11/2015, 12/2015, 02/2016, 03/2016  
Pulmonary-Radiology Case Review Correlation Conference – 7/2015-6/2016  
Clinical Pulmonary Chest Conference – 7/2015-6/2016  
Interesting Case Conference at DLMP Mayo Clinic – 10/2014, 04/2016  
Mayo Fellow Surgical Pathology Journal Club – 7/2014-6/2016  
Facilitating 2<sup>nd</sup> year Mayo Medical Student Small Group – “pulmonary block” (09/2015)  
Clinical sent in case discrepancy conference – 08/2014  
2<sup>nd</sup> year Medical Student Small Group Leader – “Hepatic Neoplasms” (03/2012)  
2<sup>nd</sup> year Medical Student Small Group Leader – “Hereditary Spherocytosis” (04/12/2012)  
UNMC Allied Health Students, Biology of Disease – “Environmental Diseases” (9/7/2012)  
UNMC High School Alliance, Biology of Disease Course – “Acute Inflammation” (11/8/2011)  
M4 Medical Student Rotation – 07/2011-06/2014

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## RESEARCH ACTIVITIES

Ongoing projects:

1. Retrospectively study primary mediastinal germ cell tumors to characterize their demographics, morphologic subtypes, immunohistochemical profiles, and molecular features with comparison to their gonadal counterpart.

Completed project:

1. Determine the staining pattern and clinicopathological correlation of liver fatty acid binding protein, serum amyloid A protein, C-reactive protein and glutamine synthetase immunostains in hepatocellular carcinomas and also determine the utility of these immunostains in distinguishing well-differentiated hepatocellular carcinomas from hepatic adenomas.
  2. Study a newly described entity ciliated mucinodular papillary tumor (CMPT) in Caucasian population and its distinct molecular features using next gen sequencing technology.
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## QUALITY IMPROVEMENT ACTIVITIES

Management and Leadership course series 2015-2016.

Quality control project: Validation of immunohistochemical stains on decalcified bone marrow specimens for Mayo Medical Laboratory.

CAP Inspection (Internal Mock) - Mayo Clinic Frozen Section Laboratory, Rochester, MN, 04/2015.

CAP Inspection (Internal Mock) – Flow cytometry Laboratory, The Nebraska Medical Center, Omaha, NE, 10/2011.

Nebraska Medical Center Cancer Committee 2014.

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## PRESENTATIONS AND ABSTRACTS AT PROFESSIONAL MEETINGS

1. **Liu L**, Jimenez RE, Cheville JC, Aubry MC, Roden AC. Primary mediastinal germ cell tumors: A Clinicopathologic Study of 32 Cases. USCAP (2016), Seattle, WA; Poster presentation.
2. **Liu L**, Shah SS, Naini BV, French S, Wu TT, Torbenson M, Chandan VS. Immunostains used to subtype hepatocellular adenomas are also positive in hepatocellular carcinomas. USCAP (2015), Boston, MA; Poster presentation.
3. **Liu L**, Kakiuchi-Kiyota S, Arnold LL, Johansson SL, Cohen CM. Evaluation of expression profiles of hematopoietic stem cell, endothelial cell, and myeloid cell antigens in human hemangiosarcomas and hemangiomas. CAP (2013), Orlando, FL; Poster presentation.
4. **Liu L**, Liu X, Zhang Y, Zhang H, Huang D, Greiner TC, Bridge JA, Lele SM. p53 mutation detection in bizarre leiomyoma of the uterus. USCAP (2013), Baltimore, MD; Poster presentation.
5. **Liu L**, Fischer R, Xu L, Talmon G. Sequential histologic changes in the healing process in small bowel allografts treated for acute cellular rejection. CAP (2012), San Diego, CA; Poster presentation.

6. **Liu L**, Perry A, Cao W, Smith L, Hsi E, Mo J, Dotlic S, Damjanov I, Mosunjac M, Talmon G, Weisenburger D, Fu K. Sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman Disease) is not part of IgG4-related sclerosing disease. USCAP (2012), Vancouver, Canada; Poster presentation.
7. **Liu L**, Grimm R, Holtzclaw D, Irsik D, Sansom S. Angiotensin II-PKC mediated translocation of the BK-  $\beta$ 1 subunit to the basolateral membrane of principal cells. Experimental Biology (2010), Anaheim, CA; Poster presentation.
8. Grimm R, Holtzclaw D, Irsik D, **Liu L**, Sansom S. Disruption of sodium and water balance in  $K^+$ -adapted BK $\beta$ 4<sup>-/-</sup> mice. Experimental Biology (2010), Anaheim, CA; Poster presentation.
9. Irsik DL, **Liu L**, Grimm PR, Holtzclaw JD, O'Neil RG, Sansom SC. Stretch-Induced Transcriptional Regulation of the BK- $\beta$ 4 Subunit in Human Mesangial Cells. Experimental Biology (2009), New Orleans, LA; Poster presentation.
10. **Liu L**, Grimm R, Holtzclaw D, Irsik D, Sansom S. The translocation of BK channel  $\beta$ 1 subunit to the basolateral membrane of principle cells is mediated by Angiotensin II signaling. Nebraska Physiology Society annual meeting (2009), Omaha, NE; Poster presentation.
11. **Liu L**, Grimm R, Settles D, Bari M, Sansom S. The role of the beta 4 subunit of the large,  $Ca^{2+}$ -activated  $K^+$  channel (BK) in glomerular mesangial expansion associated with early stage type 2 Diabetes Mellitus. Nebraska Physiology Society annual meeting (2008), Omaha, NE; Poster presentation.
12. Yannam G, Yamamoto T, Basma H, **Liu L**, Spendlove C, Cody C, Platt JL, Fox IJ. A simple technique for competitive repopulation of NOS/SCID mouse livers with xenogeneic hepatocytes. World Transplant Congress (2006), Boston, MA; Oral presentation.
13. Yamamoto T, **Liu L**, Dolezal J, Tshiperson V, Spendlove C, Yannam G, Fox IJ. Donor age interferes with initial engraftment and function by donor hepatocytes but not long-term expansion or function. World Transplant Congress (2006), Boston, MA; Oral presentation.
14. Rodriguez SK\*, **Liu L**\*, Band M, Meydani M. Epigallocatechin-gallate (EGCG) inhibits VEGF-induced angiogenesis by suppressing receptor complex formation, PI3-kinase activity and production of IL-8 via NF- $\kappa$ B pathway. Experimental Biology (2004), Washington DC; Oral presentation.
15. **Liu L**, Lai C, Moser L, Meydani M. Modulation of endothelial cell gene expression by green tea catechin-EGCG. Experimental Biology (2004), Washington DC; Oral presentation.
16. Wu D, **Liu L**, Meydani M, Meydani SN. Vitamin E increases prostacyclin and prostaglandin  $E_2$  production by human aorta endothelial cell by differentially modulating cyclooxygenase and phospholipase  $A_2$  activities. Experimental Biology (2004), Washington DC; Poster presentation.
17. **Liu L**, Rodriguez SK, Moser L, Meydani M. Lycopene suppresses angiogenesis of human umbilical endothelial cells *in vitro*. Experimental Biology (2003), San Diego, CA; Poster presentation.

18. **Liu L**, Zubik L, Collins FW, Meydani M. The antiatherogenic and antiinflammatory potentials of oat phenolics. *Experimental Biology* (2002), New Orleans, LA; Oral presentation.
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### RESEARCH GRANTS AWARDED

“Effect of age and green tea extract on vascular endothelial growth factor (VEGF) induced angiogenesis in mice.”

Funding agency: Ross Aging Initiative at Tufts University

Liping Liu, principle investigator, 1/2003-1/2004.

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### BIBLIOGRAPHY

#### Peer Reviewed Papers:

1. **Liu L**, Aesif SW, Kipp BR, Voss JS, Daniel S, Aubry MC, Boland JM. Ciliated muconodular papillary tumors of the lung can occur in Western patients and show mutations in *BRAF* and *AKT1*. *American Journal of Surgical Pathology*. 2016; 40:1631-36.
2. **Liu L**, Jentoft ME, Boland JM. Glioblastoma arising within a mediastinal mature teratoma. *Human Pathology*. 2016; 56: 109-13.
3. **Liu L**, Shah SS, Naini BV, French S, Wu TT, Torbenson M, Chandan VS. Immunostains used to subtype hepatocellular adenomas do not Distinguish Hepatic Adenomas from Hepatocellular Carcinomas. *American Journal of Surgical Pathology*. 2016; 40: 1062-9.
4. **Liu L**, Kakiuchi-Kiyota S, Arnold LL, Johansson SL, Cohen CM. Evaluation of expression profiles of hematopoietic stem cell, endothelial cell, and myeloid cell antigens in human hemangiosarcomas and hemangiomas. *Human Pathology*. 2013; 44: 2302-11.
5. **Liu L**, Perry A, Cao W, Smith L, Hsi E, Mo J, Dotlic S, Damjanov I, Mosunjac M, Talmon G, Weisenburger D, Fu K. Sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman Disease) is not part of IgG4-related sclerosing disease. *Am J Clin Pathol*. 2013; 140: 395-402.
6. **Liu L**, Fischer R, Xu L, Talmon G. Sequential histologic changes in the healing process in small bowel allografts treated for acute cellular rejection. *Transplantation Proc*. 2013; 45: 643-8.
7. **Liu L**, Yannam GR, Nishikawa T, Yamamoto T, Basma H, Ito R, Nagaya M, Dutta-Moscato J, Stolz DB, Duan F, Kaestner KH, Vodovotz Y, Soto-Gutierrez A, Fox IJ. The microenvironment in hepatocyte regeneration and function in rats with advanced cirrhosis. *Hepatology*. 2012; 55: 1529-39.
8. **Liu L**, Talmon G. Quantification of intraepithelial lymphocytes in normal pediatric small intestinal allograft and native ilea. *Transplant Proc*. 2011; 43: 1831-5.

9. Holtzclaw DJ, **Liu L**, Grimm P, Sansom S. Shear stress-induced volume decrease in C11-MDCK cells by BK-alpha/beta4. *Am. J. Physiol. Renal. Physiol.* 2010; 299: F507-16.
10. Grimm P, Irsik D, **Liu L**, Holtzclaw DJ, Sansom S. Role of BK $\beta$ 1 in Na<sup>+</sup> reabsorption by cortical collecting ducts of Na<sup>+</sup>-deprived mice. *Am. J. Physiol. Renal. Physiol.* 2009; 297: F420-8.
11. Zheng MQ, Tang K, Zimmerman MC, **Liu L**, Xie B, Rozanski GJ. Role of  $\gamma$ -glutamyl transpeptidase in redox regulation of K<sup>+</sup> channel remodeling in post-myocardial infarction rat hearts. *Am. J. Physiol. Renal. Physiol.* 2009; 297: C253-62.
12. Basma H, Soto-Gutierrez A, Yannam GR, **Liu L**, Ito R, Yamamoto T, Ellis E, Carson SD, Sato S, Chen Y, Muirhead D, Navarro-Alvarez N, Wong RJ, Roy-Chowdhury J, Platt JL, Mercer DF, Miller JD, Strom SC, Kobayashi N, Fox IJ. Differentiation and transplantation of human embryonic stem cells-derived hepatocytes. *Gastroenterology* 2009; 136: 990-9.
13. Yamanouchi K, Zhou H, Roy-Chowdhury N, Macaluso F, **Liu L**, Yamamoto T, Yannam GR, Enke C, Solberg TD, Adelson AB, Platt JL, Fox IJ, Roy-Chowdhury J, Guha C. Hepatic irradiation augments engraftment of donor cells following hepatocyte transplantation. *Hepatology* 2009; 49: 258-67.
14. **Liu L**, Lai CQ, Nie L, Ordovas J, Band M, Moser L, Meydani M. The modulation of endothelial cell gene expression by green tea polyphenol-EGCG. *Mol. Nutr. Food. Res.* 2008; 52: 1182-92.
15. Kim J, **Liu L**, Guo W, Meydani M. Chemical structure of flavonoids in relation to modulation of angiogenesis and immune-endothelial cell adhesion. *J. Nutr. Biochem.* 2006; 17: 165-76.
16. Rodriguez SK\*, Guo WM\*, **Liu L\***, Band M, Paulson EK, Meydani M. Green tea catechin, epigallocatechin-3-gallate, inhibits vascular endothelial growth factor angiogenic signaling by disrupting the formation of a receptor complex. *Int. J. Cancer.* 2006; 118: 1635-44.
17. Wu D, **Liu L**, Meydani M, Meydani SN. Vitamin E increases production of vasodilator prostanoids in human aortic endothelial cells through opposing effects on cyclooxygenase 2 and phospholipase A<sub>2</sub>. *J. Nutr.* 2005; 135: 1847-53.
18. Wu D, **Liu L**, Meydani M, Meydani SN. Effect of vitamin E on prostacyclin (PGI<sub>2</sub>) and prostaglandin (PG) E<sub>2</sub> production by human aorta endothelial cell: mechanism of action. *Ann. N. Y. Acad. Sci.* 2004; 1031: 425-7.
19. **Liu L**, Zubik L, Collins FW, Marko M, Meydani M. The antiatherogenic potential of oat phenolics. *Atherosclerosis* 2004; 175: 39-49.
20. Liu Y, Wu X, **Liu L**. Effect of Lipopolysaccharide on HO-1 mRNA and HO-1 protein expression of rat isolated thoracic aorta and pulmonary tissue. *Chin. J. Anesthesiol.* 2002; 22: 108-11.
21. **Liu L**, Wu X, Liu Y. Effect of Lidocaine on hippocampus bcl-2 and CPP32 protein expressions after global cerebral ischemia. *Chin. J. Anesthesiol.* 2001; 21: 669-71.

#### Invited Reviews:

1. **Liu L**, Meydani M. Angiogenesis inhibitors may regulate adiposity. *Nutr. Rev.* 2003; 11: 384-7.

2. **Liu L**, Meydani M. Combined vitamin C and E supplementation retards early progression of Arteriosclerosis in heart transplant patients. *Nutr. Rev.* 2002; 60: 368-71.