

**Li Lu, M.D., Ph.D.**  
***Curriculum Vitae***  
July, 8, 2010

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**CURRENT POSITIONS:**   **Clinical Assistant Professor of Pathology**  
Department of Pathology, Immunology and Laboratory Medicine  
University of Florida, College of Medicine  
Gainesville, Florida

**Attending Pathologist**  
Department of Pathology  
North Florida South Georgia Veterans Health System  
Gainesville Florida 32608-1197

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**CERTIFICATION:**       American Board of Anatomical and Clinical Pathology  
American Board of Cytopathology

**MEDICAL LICENSURE:** Florida

**EDUCATION:**

1999-2000                Cytopathology Fellowship  
University of Florida, College of Medicine, Gainesville, Florida

1998-1999                Chief Resident, University of South Florida College of Medicine,  
Tampa, Florida

1995-1999                Combined Residency in Anatomical and Clinical Pathology  
University of South Florida College of Medicine,  
Tampa, Florida

1989-1992                Doctor of Philosophy (Ph D)  
Department of Physiology  
University of Michigan, Ann Arbor, Michigan

1983-1985                Master of Medicine (MD)  
Beijing Medical University, Beijing, China

1978-1982                Bachelor of Medicine  
Beijing Medical University, Beijing, China

**AWARDS:**               Caroline tum Suden Opportunity Award for Meritorious Research,  
American Physiological Society (1990)  
Barbour Scholarship, The University of Michigan (1990-1991)  
Student Abstract Prize, American Gastroenterological Association (1992)

**APPOINTMENT HISTORY:**

2000-present                      Clinical Assistant Professor of Pathology  
    Department of Pathology, Immunology and Laboratory Medicine  
    University of Florida College of Medicine, Gainesville, Florida

    Attending Pathologist  
    Department of Pathology  
    North Florida South Georgia Veterans Health System  
    Gainesville Florida 32608-1197

1995-1999                          Clinical Teaching Associate  
    Pathology and Laboratory Medicine (Course Director: J. Balis, MD)  
    University of South Florida College of Medicine, Tampa, FL

Jul 1994-Jun 1995                Postdoctoral Fellow  
    Department of Surgery, Harvard Medical School/Beth Israel Hospital,  
    Boston, MA

Jan 1993-Jun 1994                Postdoctoral Fellow  
    Department of Internal Medicine, Harvard Medical School/ Beth Israel  
    Hospital, Boston, MA

1990-1992                          Teaching Assistant, Department of Physiology  
    Physiology-500 (Course Director: A. J. Vander, MD).  
    Physiology-101 (J. M. Sherman, PhD)  
    University of Michigan, Ann Arbor, Michigan

Jan 1987 to Dec 1988            Research Fellow  
    Department of Internal Medicine  
    University of Michigan, Ann Arbor, Michigan

Dec 1985 to Dec 1986            Visiting Research Associate  
    Department of Pharmacology  
    Medical College of Wisconsin, Milwaukee, Wisconsin

**MEMBERSHIPS:**

College of American Pathologists (CAP), 1995-present.  
American Society of Clinical Pathologists (ASCP), 1995-present.  
United States and Canadian Academy of Pathology (USCAP)  
2001-present.  
Alachua County Medical Society, 2000-present.

**COMMITTEE SERVICE:**

Moffitt Cancer Center Blood Utilization Review Committee, 1997-99  
USF Medical Student Integrated Pathology Teaching Committee, 1998-99  
Committee of Cytopathology Fellowship, UF Dept. of Pathology  
2000- present

Operative and Other Invasive Procedures Committee, Department of  
Veterans Affairs, North Florida/South Georgia Veterans Health System,  
Jan. 2001- present

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Resident Training Committee, Department of Pathology, University of Florida. July 2001- present

Cytopathology Fellowship Training Committee, Department of Pathology, University of Florida. July 2001- present

**ON-GOING RESEARCH PROJECTS:**

1. Department funded research on biomarkers of pancreatic ductal adenocarcinoma by immunohistochemistry-in collaboration with Drs Li-jun Yang and Domenico Coppola (Dept Pathology / MCC).
2. Collaboration with Li-jun Yang, Daniel Purich and Wei-Hong Tan as consultant in their recently submitted NIH Challenge Grant on the development of Pdx1 and TTF1 as early-detection plasma biomarkers using nanoscience-based, ultra-bright fluorescence detection methods.
3. Collaboration with Dr. George A. Sarosi Jr on 'Bile Salt Induced Growth in Barrett's Esophagus' funded by VA research development grant (Co-I)
4. Collaboration, as co-investigator, with Dr. Patel, JM, Medicine/Pulmonary, in his NIH grand proposal "Ischemia-reperfusion injury in lung transplantation". (has not been funded)
5. Collaboration, as co-investigator, with Dr. Hanbo Hu, Medicine/Pulmonary in her proposal "Thioredoxin Protection of Lung Transplant Rejection in Smoked Rats", Florida State research fund for tobacco smoke associated lung diseases, submitted 2/11/2009.

**PREVIOUS RESEARCH PROJECTS:**

1. PI, Identification of gastrointestinal peptide-receptors as potential tumor markers in early detection of pancreatic adenocarcinoma/Department of pathology research fund (\$10,000), 2002-2003
2. Co-I, Evaluation and development of diagnostic and treatment regimens for prostate disease- Impact of soy isoflavones on prostate cancer/NIH (10% UF-Salary support), 2001-2003
3. Co-I, PKC- $\epsilon$  expression on the outcome of chemotherapy/Flight Attendant Medical Research Institute (FAMRI), 2003-2005 / IRB Protocol #137-2002
4. Co-I, The importance of aldehyde dehydrogenases in lung cancer biology/Flight Attendant Medical Research Institute (FAMRI), 2002-2005 / IRB Protocol #492-2002, (10% UF-Salary support)
5. VA pathologist representative in Tissue procurement agreement for the cooperative human tissue network-molecular tissue bank at the University of Florida / NIH, 2000-2005 / IRB #459-00
6. Co-I, Collaboration with Dr. Dani, Zander on 'Immunohistochemical and molecular analysis of lung neoplasms'/IRB #333-2004, 2004-2007

**PUBLICATIONS:**

1. Lu, L, F Chou and JR Yu: Effect of furaxon and its analogues on gastrointestinal propulsion on mice. *J Beij Med Coll*, 15(3), 185,1983.
2. Wang D and L Lu: Effect of lateral ventricular administration of humic acid on stress-induced gastric lesion in rats. *J Beij Med Coll*, 16(1), 37, 1984.
3. Wang D and L Lu: Effect of fulvic acid on indomethacin-induced gastric mucosal lesion in rats. *J Beij Med Coll*, 17(1), 15, 1885.
4. Pan GZ, L Lu, JM Qian and BG Xue: Bovine pancreatic polypeptide as an antagonist of muscarinic cholinergic receptors. *Am J Physiol*, 252, G384-391, 1987.
5. Lu, L: Advances in the study of the regulation of pancreatic enzyme secretion (review). *Sheng Li Ko Hsueh Chin Shan*, 18(3), 263-265, 1987.
6. Lu, L and GZ Pan: Inhibitory effect of bovine pancreatic polypeptide on amylase secretion--an in vitro study. *Sheng Li Hsueh Pao*, 39(1), 1-9,1987.
7. Lu, L, D Louie and C Owyang: A cholecystokinin releasing peptide mediates feedback regulation of pancreatic secretion. *Am J Physiol*, 256, G430-435, 1988.
8. Lu, L and CD Logsdon: Cholecystokinin, bombesin and carbachol stimulate c-fos, c-jun and c-myc oncogene expression in rat pancreatic acini. *Am J Physiol*, 263: G327-332, 1992.
9. Kaiser AM, Saluja AK, L Lu, K Yamanaka, Y Yamaguchi, and ML Steer. Effects of cycloheximide on pancreatic endonuclease activity, apoptosis, and severity of acute pancreatitis. *Am J Physiol*, 271(3Pt 1): C982-993, 1996.
10. Saluja, AK, L Lu, Y Yamaguchi, B Hofbauer, M Runzi, R Dawra, M Bhatia, and ML Steer: A cholecystokinin-releasing factor mediates ethanol-induced stimulation of rat pancreatic secretion. *J. Clin. Invest*, 99: 506-512, 1997.
11. Coppola D, Lu L, T Yeatman, J Fruehauf, R Karl, and S Nicosia: P53, P21, TGF-beta 1 and TGF-beta 3 in ductal carcinoma of the pancreas. *Am J Clin Pathol*, 110(1): 16-23, 1998.
12. Thomas, JG, D Sundman, JN Greene, D Coppola, L Lu, LA Robinson, and RL Sandin: A lung nodule: Malignancy or the dog heartworm? *Infections in Medicine*, 15(2):105-9, 1998.
13. Hakam A, Yeatman TJ, Lu L, Mora L, Marcet G, Nicosia SV, Karl RC, Coppola D: Expression of insulin-like growth factor-1 receptor in human colorectal cancer. *Hum Pathol* 1999 Oct;30(10):1128-33
14. Lu L., Wilkinson EJ, and Yachnis AT: CSF cytology of atypical teratoid/rhabdoid tumor of the brain in a two-year-old girl—a case report. *Diagn Cytopathol* 2000, 23: 329-332

15. Coppola D, Lu L, and Boyce HW Jr: Chronic esophagitis dissecans presenting with esophageal strictures, A case report. *Hum Pathol* 2000 Oct, 31(10): 1313-7.
16. Lu L.and Braylan R: Perirenal hemopoietic tissue identified by flow cytometry. Peer reviewed on line Journal: *Case Studies in Clinical Flow Cytometry* 2002 Aug, 2(2).
17. Andino L, Cagle PT, Murer B, Lu L, Poper HH, Salle FG, Sienko A, Barrios R, and Zander DS: Pleuropulmonary desmoid tumors: immunohistochemical comparison with solitary fibrous tumors and assessment of beta-catenin and cyclin D1 expression. *Arch Pathol Lab Med.* 2006 Oct;130(10):1503-9
18. Kyung-Mi Bae, Heiman Wang, Guohua Jiang, Melissa G. Chen, Li Lu, and Lei Xiao. Protein kinase C epsilon is overexpressed in primary human non-small cell lung cancers and functionally required for proliferation of NSCLC cells in a p21/Cip-dependent manner. *Cancer Research* 2007 July; 67 (13): 6053-63.
19. Miten Patel, Li Lu, Dani Zanders, Sreerama L, Coco D, and Moreb JS: Increased expression of ALDH1A1 and ALDH3A1 expression in lung cancers: Correlation with histologic type and potential precursors. *Lung Cancer.* 2008, Feb; 59: 340-9
20. Jawaharlal M. Patel, Ph.D., Hanbo Hu, M.D., Li Lu, M.D., Ph.D., Amy Deem, RN, Olufemi Akindipe, M.D., Mark Brantly, M.D., Edward R. Block, M.D., Veena B. Antony, M.D., and Maher A. Baz, M.D. Thioredoxin as a biomarker for graft rejection in lung transplant recipients. *Biomarkers.* 2008 Jun; 18:1-10.
21. Hanbo Hu, M.D., Li Lu, M.D., Ph.D, Wei Wu, MD., Edward R. Block, M.D., and Jawaharlal M. Patel, Ph.D. Priming donor lungs with thioredoxin attenuates allograft injury in a rat model of lung transplantation. *J Heart and Lung Transplant* 2008; Oct; 27(10):1142-9.
22. Akindipe O, Fernandez-Bussy S, Jantz M, Lu L, Deem A, Swafford W, Staples E, Baz M. Obliterative bronchiolitis in lung allografts removed at retransplant for intractable airway problems. *Respirology.* 2009 May;14(4):601-5.
23. Westley H. Reeves, Pui Lee, Jason S Weinstein, Minoru Satoh, and Li Lu. Induction of autoimmunity by pristine and other naturally occurring hydrocarbons. *Trends in Immunology*, 2010, June, 31(6): 236-245.

## **PRESENTATIONS:**

1. Lu, L, D S Louie, D May and C Owyang: Regulation of pancreatic enzyme secretion by a trypsin-sensitive, intestinal peptide that stimulates cholecystokinin release. (Annual meeting of American Pancreas Association, 1987), Abstr. in *Dig Dis Sci*, 32(10), A18, 1987.
2. Lu, L, M Wider, D S Louie, D May and C Owyang: Extraction and characterization of pancreatic secretion. (Annual meeting of American Gastroenterologist Association, 1988.) Abstr. in *Gastroenterology*, 93(5), A270,1988.

3. Wider M, Li Lu and C Owyang: Extraction and characterization of a CCK-releasing peptide mediating feedback regulation of pancreatic secretion. (1988 Gut Hormone International Meeting in Japan.). Abstr. in Biomedical Research, Supplement 1, 39,1988.
4. Lu, L and C Owyang: Physiological significance of CCK-releasing peptide in the mediation of protein stimulated pancreatic enzyme secretion. (1989 AGA). Abstr. in Gastroenterology, 96(5), A308, 1989.
5. Lu, L and CD Logsdon: CCK, bombesin and carbachol stimulate oncogene expression in rat pancreatic acini. (1990 FASEB). Abstr. in B-170 II 1857 1990 FASEB program
6. Lu, L and CD Logsdon: Nuclear oncogene expression in AR42J cells. (1991 FASEB). Abstr. in 7434, 1991 FASEB program.
7. Lu, L and CD Logsdon: Intracellular mediators of c-fos induction by CCK in rat pancreatic acini. (1992 American Gastroenterological Association annual meeting). Abstr. in Gastroenterology, 102(4), A 933, 1992
8. Lu, L, A. Saluja, A. Kaiser, K. Yamanaka, Y. Yamaguchi, E. Donovan, and M. Steer. Somatostatin blocks ethanol-induced release of cholecystokinin releasing factor (CCK-RP) into the duodenum. (1995 AGA)., Abstr. in Gastroenterology, 105(4), A372, 1995.
9. Kaiser, A., A. Saluja, L. Lu, , K. Yamanaka, Y. Yamaguchi, and ML. Steer. Inhibition of apoptosis by cycloheximide aggravates the severity of pancreatitis induced by common bile-pancreatic duct (CBPD) obstruction in rats. (1995 AGA). Abstr. in Gastroenterology, 105(4), A364, 1995.
10. Lu, L , Coppola D, Yeatman T, Fruehauf J, Karl R, and Nicosia S: P53, P21, TGF-beta 1 and TGF- $\beta$  3 in ductal carcinoma of the pancreas (1997 United States and Canadian Academy of Pathology).
11. Lu, L, S Teng, D Coppola, and RC Carl. Expression of transforming growth factor- $\beta$  receptor II and insulin-like growth factor-I receptor in human ductal carcinoma of the pancreas (1999 Digestive Disease Week)
12. Chen M, McBride R, Lu L and Xiao L: The distribution of PKC- $\beta$  in human lung tumor specimens (2003 FAMRI Annual meeting).
13. L. Andino, P.T. Cagle, B. Murer, L. Lu, H.H. Popper, F. Galateau-Salle, R. Barrios, A. Sienko, D.S. Zander. Pleuropulmonary Desmoid Tumors Versus Solitary Fibrous Tumors: A Multinational Study of Immunohistochemical Phenotype Including Assessment of  $\beta$ -Catenin and Cyclin D1 (USCAP 2005, Modern Pathology 18(1), 308A).
14. Patel M., Lu L., Zander DS., Coco D., Moreb JS. High expression of ALDH1A1 and ALDH3A1 in lung adenocarcinoma seems part of the malignant transformation with increased expression in pneumocytes of cigarette smokers (AACR, 2005).

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15. J. S. Moreb, L. Lu, J. R. Zucali, D. Zanders, M. Patel, L.-J. Chang, H. Baker, B. Ostmark, D. Coco. Finding the common pathway between cigarette smoke, ALDH1A1 and ALDH3A1 regulation, and lung cancer stem cells (FAMRI meeting May 2006).

16. .Hu, L Lu, E Block and JM. Patel. Priming donor lungs with thioredoxin attenuates allograft rejection. Am. J. Respir. Crit Care Med. 2009 Apr; 179: A5684.