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**EDUCATION AND TRAINING**

- 7/2006 – 6/2007      Fellow, Cytopathology, Department of Pathology  
Ohio State University College of Medicine, Wexner Medical Center, Columbus, OH
- 7/2000 – 7/2006      Pathology Resident, Department of Pathology  
Tulane University School of Medicine, New Orleans, LA
- 7/2000 – 7/2006      Fellow, Surgical Pathological, Department of Pathology  
New York Medical College, Westchester Medical Center, Valhalla, NY
- 3/1994 – 6/2000      Associate and Research Scientist, Department of Pathology  
Tulane University School of Medicine, New Orleans, LA
- 10/1991 – 2/1994      Fellow, Post-Doctoral Research  
Laboratory of Pulmonary Pathobiology and Laboratory of Experimental Pathology,  
National Institute of Environmental Health Sciences (NIEHS), NIH, RTP, NC
- 7/1987 – 9/1991      Graduate Study, Laboratory of Tumor Cell Biology, Cancer Institute,  
Chinese Academy of Medical Sciences and Chinese Academy of Preventive  
Medicine, Beijing, China
- 7/1984 – 6/1987      Lecture Associate and Lecturer, Department of Pathology  
North China Coal Medical College, Tangshan, China
- 3/1978 – 3/1984      Bachelor of Medicine and Bachelor of Science, M.B.B.S.  
Hebei Medical University, Hebei, China

**PROFESSIONAL MEMBERSHIPS**

- Member of College of American Pathologists (CAP)
- Member of United States and Canadian Academy of Pathology (USCAP)
- Member of American Medical Association (AMA)
- Member of American Society of Clinical Pathology (ASPC)

**PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, CLINICAL POSITIONS:**

**Academic Positions**

1/2012 – present	Staff Pathologist, Anatomic and Clinical Pathology Departments Corewell Health William Beaumont University Hospital, Royal Oak, MI
1/2012 – present	Associate Professor, Department of Pathology and Laboratory Medicine Oakland University William Beaumont School of Medicine, Rochester MI
7/2008 – 12/2011	Assistant Professor, Divisions of Gastrointestinal Pathology and Cytopathology Department of Pathology, Ohio State University, College of Medicine, Columbus OH
7/2007 – 6/2008	Clinical Instructor, Gastrointestinal Pathology, Department of Pathology Ohio State University, College of Medicine, Columbus OH
2014	Clerkship Lecture M4: Abdominal Pain/Mass-AP
2013	Pathology Resident, Pancreatic Cytology

## PUBLICATIONS

### Peer-Reviewed

*Cancer (American Cancer Society), 2011*

### Chapters

Arnold R. Brody, **Jing-Yao Liu**, David Brass, and Miriam Corti. Analyzing the genes and peptide growth factors expressed in lung cells *in vivo* consequent to asbestos exposure, and *in vitro*. In: *Proceedings of the International Conference on Toxicology of Natural and Man-Made Particles. Environmental Health Perspectives*, 105 (suppl. 5): 1165-1171, 1997.

Brody, A.R., Brass, D., **Liu, J-Y**, Morris, G.F., and Hoyle, G. Asbestos-induced peptide growth factors that mediate interstitial pulmonary fibrosis. In: *Advances in the Prevention of Occupational Respiratory Diseases*. (Chiyotani, K., Hosoda, Y., Aizawa, Y. Eds.), Elsevier Science B.V., The Netherlands, pp. 878-883, 1998.

### Journals

**Jingyao Liu**, Bing Shen, and Shurong Liang: In vitro morphological transformation of the hamster embryo cells by diverse chemical carcinogens. *J. of Hebei Med.*, 3:92-94, 1989.

**Jingyao Liu**, Shende Li, and Shurong Liang: Induction of morphological changes of hamster tracheal epithelial cells by mineral fibers with MNNG and TPA. *J. of Chinese Experimental Pathology*, 32: 213-217, 1991.

**Jingyao Liu**, and Shurong Liang: Mineral fibers induced chromosome aberration and SCE in CHL cells. *Carcinogenesis, Teratogenesis and Mutagenesis*, 10: 110-112, 1991.

**Jingyao Liu**: Study on the mechanism of carcinogenesis and mutagenesis of mineral fibers. *J. of Hygiene Research*, 1:98-102, 1991.

**Jingyao Liu**, Shurong Liang, Shende Li, Dexin Xu and Bing Shen: Study on the transforming effects of Wollastonite on SHE cells. *Acta Academiae Medicinae Sinicae*, 15(2):132-137, 1993.

Weihong Lei, **Jingyao Liu** and Andai Fong: The diagnostic significance of AgNOR alteration in human liver tumors. *Chinese J Clin. Oncology*, 11:120-125, 1993.

**Jingyao Liu**, Paul Nettesheim and Scott H. Randell: Growth and differentiation of tracheal epithelial progenitor cells. *Am. J. Physiol. (Lung Cell Mol. Physiol.)*, 266:L296-307, 1994.

S.H. Randell, **J.Y. Liu**, P.C. Ferriola, M.M. Doherty and P. Nettesheim. SPOC1-an airway epithelial cell line capable of regulated mucin production. *Pediatric Pulmonary*, Suppl. 10:243-244, 1994.

**Jingyao Liu**: Mineral Fibers and Carcinogenesis. *Carcinogenesis Teratogenesis and Mutagenesis*, 7(2):115-118, 1995.

M.M. Doherty, **JY Liu**, C.A. Carter, P. Nettesheim, S. Randell, D.W. Rusnak and P.C. Ferriola. Phenotype and differentiation potential of a novel rat tracheal epithelial cell line. *Am. J. Respir. Cell Mol. Biol.*, 12:385-395, 1995.

**Jingyao Liu**, Katherine W. Phillips, Julie F. Foley and Robert Maronpot: Optimizing in situ hybridization of lactoferrin mRNA in mouse uterine tissue using digoxigenin-labeled RNA probes. *Cell Vision*, 2(5):430-434, 1995.

S.H. Randell, **J.Y. Liu**, P.C. Ferriola, M.M. Doherty and P. Nettesheim. Regulation of mucin production in SPOC1 cells-an airway epithelial mucous goblet cell line. *Am. J. Respir. Cell Mol. Biol.* 14(2):146-154, 1996.

Gillbert Morris, **Jing-Yao Liu**, Wei-Hong Lei and Arnold Brody. Expression of genes coding for growth factors in experimental pneumoconiosis. *Chest* 109:45S-49S, 1996.

**Jing-Yao Liu**, Gilbert F. Morris, Wei-Hong Lei, Miriam Corti and Arnold R. Brody. Up-regulated expression of transforming growth factor-alpha (TGF $\alpha$ ) in the bronchiolar-alveolar duct regions of asbestos-exposed rats. *American J. Pathology*, 149(1):205-217, 1996.

Anil Mishra, **Jing-Yao Liu**, Arnold R. Brody and Gilbert F. Morris. Inhaled asbestos fibers induce p53 expression in the rat lung. *Am. J. Respir. Cell Mol. Biol.*, 16(4):479-485, 1997.

**Jing-Yao Liu**, Gillbert F. Morris, Wei-Hong Lei, Charles Hart, Joseph Lasky and Arnold R. Brody. (Rapid communication) Rapid activation of PDGF-A and -B chains RNA and protein expression at sites of lung injury in asbestos exposed rats. *Am. J. Respir. Cell Mol. Biol.*, 17(2): 129-140, 1997.

Joseph A. Lasky, Boihoang Tonthat, **Jing-Yao Liu**, Mitchell Friedman and Arnold R. Brody. Upregulation of PDGF-alpha-receptor precedes asbestos-induced lung fibrosis in rats. *Am. J. Respiratory and Critical Care Medicine*, 157(5 Pt 1):1652-1657, 1998.

**Jing-Yao Liu**, Wei-Hong Lei, Arnold R. Brody and Gary W. Hoyle. Optimization of tissue preparation conditions for nonradioactive in situ hybridization: localization of transforming growth factor-alpha message in rat kidney. *Histochemical J.*, 30(11), 793-798, 1998.

Arnold R. Brody, David M. Brass, **Jing-Yao Liu**, Gary W. Hoyle and Saku Warshamana. Remodeling of lung tissue consequent to chronic injury. *Res. Immunol. (Paris)*, 149:249-251, 1998.

**Jing-Yao Liu**, David M. Brass, Gary W. Hoyle and Arnold R. Brody. TNF-a Receptor Knockout Mice Are Protected from the Fibroproliferative Effects of Inhaled Asbestos Fibers. *Am. J Pathology*, 153 (6): 1839-1847, 1998.

Ortiz LA, Moroz K, **Liu JY**, Hoyle GW, Hammond T, Hamilton RF, Holian A, Banks W, Brody AR, Friedman M. Alveolar macrophage apoptosis and TNF-alpha, but not p53, expression correlate with

murine response to bleomycin. *American Journal of Physiology (lung Cell Mol. Physiol.)*, 275(6 Pt 1):L1208-18, 1998.

David M. Brass, Gary W. Hoyle, Hall Poovey, **Jing-Yao Liu**, and Arnold R. Brody. Reduced TNF- $\alpha$  and TGF- $\beta$  expression in the lungs of inbred mice that fail to develop fibroproliferative lesions consequent to asbestos exposure. *Am. J. Pathology*, 154(3):853-862, 1999.

Gary W. Hoyle, Jian Li, Jeffery B. Finkelstein, Todd Eisenberg, **Jing-Yao Liu**, Joseph A. Lasky, Grace Athas, Gilbert F. Morris and Arnold R. Brody. Emphysematous lesions, inflammation, and fibrosis in the lung of transgenic mice overexpressing Platelet-Derived Growth Factor. *Am J Pathology*, 154(6):1763-1775, 1999.

Myrtle A. Delgado, **Jing-Yao Liu**, Suzanne-Meleg Smith. Systemic amyloidosis in a patient with hepatocellular carcinoma; case report and literature review. *J. Louisiana State Medical Society*, 151:474-478; 1999.

Brody AR. Hoyle G. **Liu JY**. Brass D. Reduced growth factor expression in mice resistant to developing fibroproliferative lesions after lung injury. *Chest*. 116 (1 Suppl): 97S, 1999.

D. Gozal, Narong Simakajornboon, Marc A. Czapla, Ying-Dan Xue, Evelyne Gozal, Vukmir Vlastic, Joseph A. Lasky and **Jing-Yao Liu**. Brainstem activation of PDGF- $\beta$  receptor modulates the late phase of the hypoxic ventilatory response. *J. Neurochemistry*, 74:310-319; 2000.

**Jing-Yao Liu** and Arnold Brody. Increased TGF- $\beta$ 1 in the lungs of asbestos-exposed rats and mice: reduced expression in TNF- $\alpha$  receptor knockout mice. *J. of Environ. Pathol. Toxi. and Oncol.* 20: (2):97-108, 2001

**Jing-Yao Liu**, Patricia Sime, Tiejun Wu, Saku Warshamana, Derek Pociask, Shang-Yi Tsai and Arnold Brody. TGF- $\beta$ 1 overexpression in TNF- $\alpha$  receptor knockout mice induces fibroproliferative lung disease. *Am. J. Respir. Cell Mol. Biol.*, 25:3-7, 2001.

Brody AR, Warshamana GS, **Liu Jing-Yao**, Pociask DA. Expression of transforming growth factor- $\beta$  induces fibroproliferative pulmonary disease in fibrosis-resistant mice. *Chest*. 120(1 Suppl): 48S-49S, 2001 Jul.

Warshamana, G.W., Pociask, D.A., Fisher, K.J., **Liu, J-Y.**, Sime, P.J., and Brody, A.R. Titration of non-replicating adenovirus as a vector for transducing active TGF- $\beta$ 1 gene expression causing inflammation and fibrogenesis in the lungs of C57BL/6 mice. *International Journal of Experimental Pathology*. 83(4):183-201, 2002.

Brody AR. Warshamana GS. **Liu JY**. Tsai SY. Pociask DA. Brass DM. Schwartz D. Identifying fibrosis susceptibility genes in two strains of inbred mice. *Chest*. 121(3 Suppl):31S, 2002.

Dillhoff M, **Liu J**, Frankel W, Croce C, Bloomston M. MicroRNA-21 is Overexpressed in Pancreatic Cancer and a Potential Predictor of Survival. *J Gastrointest Surg*. 12(12):2171-6. 2008.

Oplatek A, **Liu J**, Agrawal A. Pathology quiz case 2. Atypical lipomatous tumor (ALT) of the retropharyngeal space. *Arch Otolaryngol Head Neck Surg*. 134(9):1013,1014-5. 2008.

Sebastian V Demyttenaere, Peter Nau, Matthew Henn, Katie Beck, Jeffrey Zaruby, Michael Primavera, David Kirsch, Jeffrey Miller, **James J Liu**, Andrew Bellizzi, W. Scott Melvin. Barbed suture for gastrointestinal closure: A randomized control trial. *Surgical Innovation* 16(3): 237-242. 2009.

**Liu JJ**, Shen R, Chen L, Ye Y, He G, Hua K, Jarjoura D, Nakano T, Ramesh GK, Shapiro CL, Barsky SH, Gao JX. Piwil2 is expressed in various stages of breast cancers and has the potential to be used as a novel biomarker. *Int J Clin Exp Pathol*. 20;3(4):328-37. 2010.

Nau P, **Liu J**, Dillhoff M, Forster M, Hazey J, Melvin S. Two cases of small cell carcinoma of the gallbladder. *Case Report in Med.* 2010;4, 2010.

Sun J, **Liu J**, Pan X, Quimby D, Zanesi N, Druck T, Pfeifer GP, Croce CM, Fong LY, Huebner K. Effect of zinc supplementation on N-nitrosomethylbenzylamine-induced forestomach tumor development and progression in tumor suppressor-deficient mouse strains. *Carcinogenesis.* 2011 Mar;32(3):351-8. Epub 2010 Nov 19.

Nau, Peter; **Liu, James**; Ellison, Christopher; Hazey, Jeffrey; Henn, Matthew; Muscarella, Peter; Narula, Vimal; Melvin, W. Scott. Novel reconstruction of the extrahepatic biliary tree with a biosynthetic absorbable graft. *HPB (Oxford): Journal of the International Hepato Pancreato Biliary Association;* 2011 Aug; 13(8): 573-8. Epub 2011 Jun 27.

Kyle A. Perry, **James Liu**, Ambar Banarjee, Mark R. Wendling, Nilay Shah, W. Scott Melvin. Gastric Ischemic Conditioning Increases Neovascularization and Reduces Inflammation and Fibrosis During Gastroesophageal Anastomotic Healing. *Surg Endosc.* Vol. 27, no. 3. (March 2013.): 753-760.

Megan E. McNally, Amy Collins, Sylwia E. Wojcik, **James Liu**, Jon C. Henry, Jinmai Jiang, Thomas Schmittgen & Mark Bloomston. Concomitant dysregulation of microRNAs miR-151-3p and miR-126 correlates with improved survival in resected cholangiocarcinoma. *HPB (Oxford): Journal of the International Hepato Pancreato Biliary Association;* 2013 Apr;15(4):260-4. Epub 2012 Jul 4.

Amy L. Collins, Sylwia Wojcik, **James Liu**, Wendy L. Frankel, Hansjuerg Alder, Lianbo Yu, Thomas D. Schmittgen, Carlo M. Croce, Mark Bloomston. A Differential MicroRNA Profile Distinguishes Cholangiocarcinoma from Pancreatic Adenocarcinoma. *Annals of Surgical Oncology,* 2014 21(1):133-8.

Christina Wu, Sameh Mikhail, Lai Wei, Cynthia Timmers, Sanaa Tahiri, Alison Neal, Jon Walker, Samer El-Dika, Marlo Blazer, Jonathan Rock, Daniel J. Clark, Xiangyu Yang, James L. Chen, **James Liu**, Michael V. Knopp, and Tanios Bekaii-Saab. A Phase II and Pharmacodynamic Study of Sunitinib in Relapsed/Refractory Esophageal and Gastro-esophageal Cancers," *British Journal of Cancer,* 2015 113: 220-225.

Jin Sun, Rulong Shen, Morgan S. Schrock, **James Liu**, Xueliang Pan, Donald Quimby, Nicola Zanesi, Teresa Druck, Louise Y. Fong and Kay Huebner. Reduction in squamous cell carcinomas in mouse skin by dietary zinc supplementation. *Cancer Medicine,* 2016 5(8):2032-42.

Kevin J Zhang, Satyum R Parikh, Nava Sigelmann-Danieli, Jason M Hafron, **James L Liu**, John D Schwartz, Mitul B Amin, Zhenhong Qu and Ping L Zhang. Diagnostic Values of a Progenitor Cell Marker CD133 Expression in Various Types of Adenocarcinoma. *J Mol Biomark Diagn* 2016 7: 299.

## Abstracts

**J. Liu**, S. Liang, S. Li, D. Xu and B. Shen. Study on the transforming effects of Wollastonite on SHE cells. International Symposium on Environ. Mutagenesis and Carcinogenesis, P. 112, Shanghai, China, May 27-29, 1991.

**J Liu**, S Li, D Xu, B Shen, and S Liang. Morphological transformation of SHE cells induced by wollastonite. *Proceedings of Am. Assoc. for Cancer Res.*, 1110:186, 1993.

**JY Liu**, P Nettessheim and SH Randell. Biochemical pathway of cellular differentiation during tracheal epithelial regeneration. *Am. Rev. Respir. Dis.* 147:A465, 1993.

M.M. Doherty, **J. Liu**, C.A. Carter, P. Nettessheim, S. Randell, D.W. Rusnak and P.C. Ferriola. Characterization of a novel rat tracheal epithelial (RTE) cell line with applications for studies of airway carcinogenesis and differentiation. *Mol. Biol. of the Cell.* 4:333a:1932, Oct., 1993.

G.F. Morris, A. Mishra, G. Athas, J. Xu, W. Lei, **J. Liu**, G. Hoyle and A.R. Brody. Expression of the p53 tumor suppressor protein in rodent models of lung injury and repair. Thomas L. Petty Aspen Lung Conference 38<sup>th</sup> Annual Meeting, Aspen, CO. 1995.

**Jingyao Liu** and Arnold Brody. Immunohistochemical distribution of TGF- $\alpha$  in the lungs of asbestos-exposed rats. *Am. Rev. Respir. Dis.* 151:A570, 1995.

A. Mishra, **J-Y. Liu**, A.R. Brody and G.F. Morris. Radiation Activates Expression of p53 and PCNA in Mouse Airway Cells. *Am. Rev. Respir. Dis.* 151:A162, 1995.

**J-Y. Liu**, G. Morris, W. Lei and A.R. Brody. The BB isoforms of Platelet-derived Growth Factor (PDGF) Is Expressed at Sites of Fiber Deposition in Asbestos-Exposed Rats. *Am. Rev. Respir. Dis.*, 153(4):A299, 1996

A.R. Brody, **J-Y Liu**, D. Brass, J Lefort and B.B. Vargaftig. Chronic Airway inflammation and fibrosis in ovalbumin-sensitized Mice. *Am. Rev. Respir. Dis.*, 153(4):A143, 1996.

JA Lasky, B Tonthat, **J-Y Liu**, GB Athas and AR Brody. TGF- $\beta$ 1 stimulates CTGF expression in rat and human lung fibroblasts *in vitro*. *Am. Rev. Respir. Dis.*, 153(4):A402, 1996.

D Brass, G Hoyle, **JY Liu** and AR Brody. Asbestos induced lung fibrosis and TGF $\beta$  in two strains of mice. *Am. Rev. Respir. Dis.*, 153(4):A405, 1996.

A Mishra, **J-Y Liu**, AR Brody and GF Morris. Inhalation exposure of rodents to asbestos activates expression of p53 in the lung. *Am. Rev. Respir. Dis.*, 153(4):A300,1996.

**J-Y Liu**, W-H Lei, GC Morris and AR Brody. PDGF A, B-Chains and TGF  $\beta$  mRNA and Proteins Are Expressed at Sites of Lung Injury in Asbestos-Exposed Rats. *FASEB Journal*, A1005:36, 1996.

DM Brass, G Hoyle, **J-Y Liu** and AR Brody. Asbestos Induced Lung Fibrosis and Cell Proliferation in Two Strains of Mice. *FASEB Journal*, A1005:37, 1996.

A. Mishra, J. Xu, **J-Y. Liu**, A. R. Brody and G.F. Morris. Asbestos-induced regulation of the proliferating cell nuclear antigen gene by the p53 tumor suppressor protein. *FASEB Journal*, A1005:35, 1996.

**Jing-Yao Liu**, Gary W. Hoyle, David Brass, and Arnold R. Brody. TNF $\alpha$ -Receptor Knockout Animals Are Protected from the Early Proliferative and Fibrogenic Effects of Inhaled Asbestos Fibers. Proceedings of Sixth International Meeting on the Toxicology of Natural and Man-Made Fibrous and Non-Fibrous Particles, (Lake Placid, New York, U.S.A.), A71:91, 1996.

Arnold R. Brody, **Jing-Yao Liu**, and Gilbert F. Morris. Expression of Peptide Growth Factor Genes and Proteins in Epithelial and Mesenchymal Cells of Asbestos Exposed Rats and Mice. Proceedings of Sixth International Meeting on the Toxicology of Natural and Man-Made Fibrous and Non-Fibrous Particles, (Lake Placid, New York, U.S.A.), A69:89, 1996.

D.M. Brass, G. Hoyle, **J-Y Liu** and A.R. Brody. The 129 Mouse Strain Exhibit Reduced Fibroproliferative Lesions after Asbestos-Exposure. Proceedings of Sixth International Meeting on the Toxicology of Natural and Man-Made Fibrous and Non-Fibrous Particles, (Lake Placid, New York, U.S.A.), A104:124, 1996.

GF Morris, A Mishra, J Xu, **J-Y Liu**, W-H Lei, GW Hoyle and AR Brody and. P53-mediated responses to inhaled asbestos. *The Molecular Biology of Fibrotic Lung disease*. Woods Hole MA, 1996.

GW Hoyle, **J-Y Liu**, JB Finkelstein, G Athas, GF Morris and AR Brody Lung fibrosis in transgenic mice overexpressing platelet-derived growth factor. *The Molecular Biology of Fibrotic Lung disease*. Woods Hole, MA, 1996.

**J-Y Liu**, AR Brody and S. Haque. Platelet derived growth factor and the pancreatic islet. United States-Canadian Academy of Pathology, Annual Meeting, 146A:852, 1997.

**Jing-Yao Liu**, David Brass, Gary W. Hoyle and Arnold R. Brody. TNF-Receptor Knockout mice are Protected from the Early Fibroproliferative Effects of Inhaled Asbestos Fibers. *Am. Rev. Respir. Dis.*, 155(4):A332, 1997.

G.W. Hoyle, **J-Y Liu**, J.A. Lasky, J.B. Finkelstein, G. Athas, G.F. Morris and Arnold R. Brody. Fibrosis, inflammation, and emphysematous changes in lungs of transgenic mice overexpressing PDGF. *Am. Rev. Respir. Dis.*, 155(4):A315, 1997.

J.A. Lasky, **J-Y Liu**, B. Tonthat, M. Friedman, and A.R. Brody. Concomitant upregulation of PDGF-A-Chain and PDGF alpha receptor in lung following asbestos-exposure. *Am. Rev. Respir. Dis.*, 155(4):A332, 1997.

D.M. Brass, G. Hoyle, **J-Y Liu** and A.R. Brody. Asbestos-induced lung fibrosis and localization of TGF- $\beta$ 1 protein and mRNA expression in two strains of mice. *Am. Rev. Respir. Dis.*, 155(4):A687, 1997.

D.M. Brass, G. Hoyle, **J-Y Liu** and A.R. Brody. Asbestos-induced lung fibrosis and expression of TNF- $\alpha$  in two strains of mice. *FASEB Journal*, A227:1319, 1997.

J.A. Lasky, B. Tonthat, **J-Y Liu**, D. Brass, L. Ortiz, G. Hoyle, M. Friedman, and A.R. Brody. In vitro and in vivo comparisons of lung fibroblast proliferation between mice that are heterozygous for expression of the PDGF-alpha-receptor (PDGF-R $\alpha$ ) and their wild type littermates. *FASEB Journal*, A228:1323, 1997.

D.M. Brass, G.W. Hoyle, **J-Y Liu** and A.R. Brody. Primary lung fibroblasts from mice resistant to the fibrogenic effects of asbestos exhibit reduced proliferative capacity in vitro. *Am. Rev. Respir. Dis.*, 157(3):A246, 1998.

J.A. Lasky, L. Ortiz, P. Sime, B. Tonthat, **J-Y Liu**, G. Lungarella, G. Grotendorst, L. Gauldie, A.R. Brody and M. Friedman. In vitro and in vivo support of a role for connective tissue growth factor (CTGF) in lung fibrogenesis. *Am. Rev. Respir. Dis.*, 157(3):A247, 1998.

**J-Y Liu**, D.M. Brass, G.W. Hoyle, W.A. Banks, J. Peschon and Arnold R. Brody. Reduced growth factor expression and BrdU incorporation in the lungs of TNF- $\alpha$ -receptor knockout mice that are resistant to the fibrogenic effects of asbestos. *Am. Rev. Respir. Dis.*, 157(3):A266, 1998.

A.R. Brody, **J.-Y. Liu**, S. Hailé, J. Lefort and B. B. Vargaftig. PDGF-A expression by eosinophils and the bronchiolar epithelium during an allergic response to ovalbumin. *Am. Rev. Respir. Dis.*, 157(3):A833, 1998.

A. Brody, G. Hoyle, **J-Y Liu**, and D. Brass. Reduced growth factor expression in mice resistant to developing fibroproliferative lesions after lung injury. *Aspen Lung conference, 41st Annual meeting*, P 109, 1998.

A. Brody, G. Hoyle, **J-Y Liu**, and D. Brass. *FASEB Journal*, A995:40, 1998.

G.F. Morris, T. Mendoza, S. Ghosh, **J-Y Liu**, GW Hoyle, M. Friedman and AR Brody. p53-mediated responses to inhaled asbestos. p 130; 10th International Colloquium on Lung Fibrosis, Siena, Italy, October 11-14, 1998.

Hector O. Pacheco, Raymond J. Bagg, Robert M. Hoffman, Thomas S. Whitecloud III, Enis Kanlic, FangXian Sun, **Jing-Yao Liu** and Richard T. Holt. In vivo cultures of human bone grafts in SCID mice. p105, North American Spin Society 13th Annual Meeting, San Francisco, October 1998.

D. Gozal, Y-D Xue, **J-Y Liu** and A.R. Brody. In vivo PDGF-B chain induction and PDGF-B-C-Fos co-localization in neurons of the nucleus tractusolarius (nTS) following acute hypoxia in the rat. *Am. Rev. Respir. Dis.*, 159(3):A221, 1999.

**J-Y Liu**, D.M. Brass, G.W. Hoyle and Arnold R. Brody. Expression of TGF- $\beta$ 1 at sites of lung injury in normal rats and TNF- $\alpha$  receptor knock-out mice. *Am. Rev. Respir. Dis.*, 159(3):A929, 1999.

A.R. Brody, **J.-Y. Liu**, and B. B. Vargaftig. Expression of MUC5 and TNF- $\alpha$  in the lungs of mice sensitized with ovalbumin. *Am. Rev. Respir. Dis.*, 159(3):A852, 1999.

Gilbert F. Morris, Tamra Mendoza, Sushmita Ghosh, Anne Nelson, **Jing-Yao Liu**, Gary W. Hoyle, Arnold R. Brody and Mitchell Friedman. Evaluation of the carcinogenic potential of inhaled asbestos in transgenic mice with compromised p53 function in the lung. *Am. Assoc. for Cancer Res.*, Special Conference, Cancer Biology and Mutant Mouse: New Methods, New Models, New Insights, Keystone CO, 1999.

**J-Y Liu**, DA Pociask, GS Warshamana and AR Brody. Indication of fibrosis by adenovirus-mediated expression of active TGF- $\beta$ 1 in TNF- $\alpha$  receptor knockout mice (TNF- $\alpha$ RKO). *Am. Rev. Respir. Dis.*, 160(4):A919, 2000.

GS Warshamana, DA Pociask, **J-Y Liu** and AR Brody. Titration of adenovirus-mediated expression of active TGF- $\beta$ 1 in two strains of mice developing fibroproliferative lung disease. *Am. Rev. Respir. Dis.*, 160(4):A228, 2000.

A. Brody, S. Warshamana, **J-Y Liu** and DA Pociask, Expression of TGF- $\beta$ 1 induces fibroproliferative pulmonary disease in fibrosis-resistant mice. *Aspen Lung conference, 43rd Annual meeting, P 123*, 2000.

GS Warshamana, DA Pociask, **J-Y Liu**, KM Hanson, K. Fisher, P. Sime and AR Brody. Titering non-replicating adenovirus as a vector for transducing active TGF- $\beta$ 1 gene expression in lungs of C57BL/6. *Am. Rev. Respir. Dis.*, 161, 2001.

J.A. Lasky, M. Friedman, Y. Zhuo, **J-Y Liu**, H. Poovey and A.R. Brody. Platelet-derived Growth Factor receptors are essential in the development of asbestos-induced fibrosis. Annual Aspen Meeting, 2001.

A. Brody, S. Warshamana, **J.-Y. Liu**, S.-Y. Tsai, D. Pociask, D. Brass, and D. Schwartz. Identifying fibrosis susceptibility genes in two strains of inbred mice. Annual Aspen Meeting, 2001.

**James J. Liu**, Li Chen, Yin Ye, K Hua, D Jarjoura, S Kuramochi-Miyagawa, T Nakano, C Morrison, SH Barsky, Rulong Shen and Jian-Xin Gao Expression pattern of stem cell protein Piwil2 in human breast Cancer, A1277, Proceedings of Am. Assoc. for Cancer Res. (AACR), 2007.

Rulong Shen, Li Chen, Yin Ye, **JY Liu**, Satomi Kuramochi-Miyagawa, Toru Nakano, Haifan Lin, Carl Morrison, Sanford H. Barsky, Jian-Xin Gao Stem cell protein piwil2 is a common marker for various types and stages of cancer. Proceedings of Am. Assoc. for Cancer Res., 2007.

Xiaoping Zhou, **James J. Liu** and Rulong Shen Loss of PTEN function in pathogenesis of cervical carcinomas. A 3691, Proceedings of Am. Assoc. for Cancer Res. (AACR), 2007.

**J Liu**, M Bloomston, CB McKeegan and WL Frankel. MicroRNA-21 Is Up-regulated in Human Pancreas Cancer: A Tissue Microarray Study of 247 Cases Using In-Situ Hybridization, *Modern Pathology*, 309-310A (1411), 21:1S; 2008 (Platform presentation, United States and Canadian Academy of Pathology Annual Meeting, 2008, Denver, Co.).

M Yearsley, **J Liu**, W Marsh, WL Frankel. Correlation of HE Features, Immunohistochemical Expression of Neuroendocrine Markers, and Microsatellite Status in 149 Colorectal Carcinomas, *Modern Pathology*, 142A (645), 21:1S; 2008 (Poster presentation, United States and Canadian Academy of Pathology Annual Meeting, 2008, Denver, Co.).

Dillhoff, Mary, **Liu, James**; Frankel, Wendy; Bloomston, Mark; MicroRNA-21 is Overexpressed in Esophageal Cancer and a Potential Predictor of Progression in Barrett's Esophagus. 4th Annual Academic Surgical Congress, AAS (Association of Academic Surgeons) and SUS (Society of University Surgeons); February 3-6, 2009 Fort Myers, Florida.

**JJ Liu**, M Bloomston, M Dilhoff, MM Yearsley, WL Frankel; Esophageal Adenocarcinomas Overexpress MicroRNA-21: A Tissue Microarray Study of 64 Cases Using In-Situ Hybridization. *Modern Pathology*, 138A (620), 22:1S; 2009 (United States and Canadian Academy of Pathology Annual Meeting, March 10, 2009, Boston, MA).

**JY Liu**, AM Bellizzi, IS Hatzaras, M Bloomston and WL Frankel; Esophageal Adenocarcinoma Shows Upregulation of Skp2 and Cks1 and Downregulation of p27. *Modern Pathology*, 154A (681), 23:1S, 2010. (United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, March 20-26, 2010, Washington, DC.).

JB Rock, IS Hatzaras, M Bloomston, **J Liu** and WL Frankel; WWOX, FHIT, -Catenin and 14-3-3 Sigma in 171 Gastric Adenocarcinomas. *Modern Pathology*, 164A (724), 23:1S, 2010. (United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, March 20-26, 2010, Washington, DC.).

WL Frankel, **JJ Liu**, H. Hampel, and AM Bellizzi; Mismatch repair status in seventy biliary tract carcinomas. *Modern Pathology*, 355A (1578), 23:1S, 2010. (United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, March 20-26, 2010, Washington, DC.).

EA Biller, WL Frankel, IS Hatzaras, M Bloomston and **JY Liu**; Decreased WWOX and FHIT Protein Expression Correlates with Tumor Grade in Cholangiocarcinoma. *Am J Clin Pathol* 134 (suppl):53, 2010 ASCP Annual Meeting, Oct. 27-30, 2010. San Francisco, CA.

Sergey Brodsky, Haifeng Wu, **James Liu**, Kyle Ware, Polina Brodsky, Robert Chen and Jon von Visger. Increased INR>3.0 In Patients on Warfarin Therapy Is Associated with Acute Changes in the Serum Creatinine and Increased Mortality Rate. *Blood*, Vol 116 (21), 116:819, 2010; (52<sup>nd</sup> ASH Annual Meeting, December 4-7, 2010, Orlando, FL).

**J Liu**, J Sun, X Pan, D Quimby, N Zanesi, T Druck, GP Pfeifer, CM Croce, LY Fong, K Huebner. Dietary Zinc Inhibits N-Nitrosomethylbenzylamine-Induced Esophageal Carcinogenesis in Wild-Type and Tumor Suppressor-Deficient Mouse Strains. *Modern Pathology*, 157A (661), 24:1S, 2011. (United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, March 20-26, 2010, Washington, DC.).

Megan E. McNally, Amy Collins, Sylwia Wojcik, **James Liu**, Jon Henry, Jenmai Jiang, Thomas Schmittgen, Mark Bloomston. Concomitant dysregulation of miR-151-3p and miR-126 correlates with improved survival in resected cholangiocarcinoma. Annual meeting of Americas Hepato Pancrea to Biliary Association. March 7-11, 2012 in Miami, Florida.

Kyle A. Perry, **James Liu**, Ambar Banarjee, Mark R. Wendling, Nilay Shah, W. Scott Melvin. Gastric ischemic conditioning increases neovascularization and reducing inflammation and fibrosis during gastroesophageal anastomotic healing. SAGES Annual Meeting (Society of American Gastrointestinal and Endoscopic Surgeons), March 7-10, 2012, San Diego, CA.

Christina Wu, Sameh Mikhail, Lai Wei, L. Katherine Martin, Xiaobai Li, Cynthia Timmers, James L. Chen, Sanaa Tahiri, Alison Neal, Jon Walker, Samer El-Dika, Jonathan Rock, Daniel Clark, Xiangyu Yang, Kevin Foy, **James Liu**, Michael Knopp, Pravin Kaumaya, and Tarios Bekaii-Saab. A Mechanistic Radiographic and Biologic Phase 2 Single Agent Study of Sunitinib in Relapsed/Refractory

Esophageal (E) and Gastroesophageal (GE) Cancers. The American Society of Clinical Oncology (ASCO); J Clin Oncol 32, 2014 (suppl 3; abstr 149); Gastrointestinal Cancers Symposium (ASCO GI); January 16-18, 2014; San Francisco, CA.

**James J. Liu**, Vaishali M. Pansare, Kliment Donev, Leilei Chen, Beatrice H. Muglia, Ping L. Zhang. Stem Cell Marker CD133 Helps to Confirm Clear Cell Papillary Renal Cell Carcinoma (CCP-RCC) in Renal Core Biopsies. Annual meeting of College of American Pathologists, September 7-10, 2014, Chicago, IL.

**James J. Liu** and Ping L. Zhang. Positive Stain for CD133 but Negative Stain for Kidney Injury Molecule-1 (KIM-1) Distinguish Clear Cell Papillary Renal Cell Carcinoma (CCP-RCC) from Conventional Clear Cell Renal Cell Carcinoma. *American journal of clinical pathology (2015) 144 (suppl 2): A394*; Annual meeting of ASCP, Long Beach, CA, 10-29-2015.

## **ORAL PRESENTATIONS AND INVITED SPEAKER**

Slide Presentation at International Symposium on Environ. Mutagenesis and Carcinogenesis, Shanghai, China. May 27, 1991.

Slide presentation at the American Thoracic Society 89th International Conference, San Francisco, CA. May 26, 1993.

Invited Speaker, Sixth International Meeting on the Toxicology of Natural and Man-Made Fibrous and Non-Fibrous Particles, Lake Placid, NY. September 15-18, 1996.

Slide presentation at the American Thoracic Society 94th International Conference, Chicago, IL. April 27, 1998.

Slide presentation at the American Thoracic Society 96th International Conference, Toronto, Canada. May 8, 2000.

"HIV and Lymphoma, Clinical and pathology Cases", Grand Round, Department of Pathology, Tulane Medical School. December 4, 2000.

"Mitochondria Diseases, Clinical and pathology Cases" Grand Round, Department of Pathology, Tulane Medical School. May 7, 2001.

"Asbestos-induced Mesothelioma, Clinical and pathology Cases" Grand Round, Department of Pathology, Tulane Medical School. April 10, 2002.

"Neurofibromatosis 2 and Meningioangiomas"; New York Pathology Society Slides Presentation. March 21, 2005.

"Malignant Mesothelioma and Hypercoagulation" Harris County Medical Examiner of Texas Medical Center, Houston, TX. June 13, 2005.

"MicroRNA-21 Is Up-regulated in Human Pancreas Cancer: A Tissue Microarray Study of 247 Cases Using In-Situ Hybridization" 2008 USCAP Annual Meeting, Denver, CO. March 4, 2008.

"Hypertrophic Gastropathy (Giant Gastric Folds)"; 2008 Pathology Update Course, Ohio State University. September 8, 2008.

"Microsatellite Instability Testing"; Host of Round Table Discussion, 2008 Pathology Update Course, Ohio State University. September 8, 2008.

“Multiple Liver Lesions with Unknown Primary”. 2008 Pathology Update Course, Ohio State University. September 2009.

**PHOTOS PROVIDED AS COURTESY**

1. Cover photo, *Am. J. Respir. Cell Mol. Biol.*, 12:385-395, 1995.
2. Cover photo, *Am. J. Respir. Cell Mol. Biol.* 14(2):146-154, 1996.