

# **Curriculum Vitae**

Zitao Liu, M.D., Ph.D.

## **Education**

- 09/1998-09/2003     Doctor of Philosophy  
Department of Anatomy and Cell Biology  
Wayne State University School of Medicine  
Detroit, MI 48201
- 09/1989-07/1996     Bachelor and Master of Medicine  
Program of Medicine (7-year Program)  
Norman Bethune University of Medical Sciences  
Changchun, Jilin, P. R. China 130021

## **Residency and Postdoc**

- 07/2005-06/2010     Residency (Preliminary and Categorical)  
Department of Obstetrics and Gynecology  
Bronx-Lebanon Hospital Center  
Affiliated with Albert Einstein College of Medicine  
1650 Grand Concourse Ave., Bronx, NY 10457
- 11/2003-10/2004     Research Post Doc  
Reproductive Biology Division  
Department of Pediatrics  
Vanderbilt University School of Medicine  
Nashville, TN 37232

## **Working Experiences**

- 07/2014-present     Attending Physician  
New Hope Fertility Center  
4 Columbus Circle  
New York, NY, 10019
- 08/2010-06/2014     Assistant Professor and Attending Physician  
Department of Obstetrics and Gynecology  
Tufts Medical Center/School of Medicine Tufts University  
800 Washing Street, Boston, MA 02111
- 07/1996-09/1998     Assistant Professor and Attending Physician  
Department of Obstetrics and Gynecology  
1<sup>st</sup> Teaching Hospital  
Norman Bethune University of Medical Sciences  
Changchun, Jilin 130021, P.R. China

## **Publications and Presentations**

Liu Z, Yang M, Zhang J. (2015) The role of preimplantation genetics screening in oocyte donor IVF cycles. *Annual Meeting of ASRM*

Shu C, **Liu Z**, Cui L, Tang J, Sperling R, Wei C Cui M, Lian G, Li W, Jiang J, Zhang W, Zhang D, He J, Ye F. (2014) Protein profile in human preeclampsia placenta. *PLoS One*, 9(11):e112890.

Fenton A, Frank B, **Liu Z** (2014) Hysteroscopically and laparoscopically removal of Essure microinsert 320 days post-Essure placement. *43rd Annual Meeting of AAGL*

Shou C, Li J, **Liu Z** (2011) Complementary and alternative medicine in the treatment of menopausal symptoms. *Chin J Integr Med* 17 (12): 883-888

**Liu Z**, Kuokkanen S, Pal L (2010) Profile of steroid receptors expression in endometrial polyp. *Repro Sciences* 17(4):377-383

Armant D, Xie H, Wang H, **Liu Z**, Chiang P, Petkova P, Das S. (2008) Maternal HBEGF Deficiency Restricts Placentation in Mice. *41<sup>st</sup> SSR Annual Meeting*

**Liu Z**, Niklaus A, Pollack S, Santoro N, Pollard J, Pal L (2007) Genetic Heterogeneity Underlies Pathogenic Mechanisms In Endometrial Polyps. *63rd Annual Meeting of ASRM*

**Liu Z**, Kilburn B, Leach R, Romero R, Paria BC, Armant DR. (2004) Histamine enhances cytotrophoblast invasion by inducing intracellular calcium transients through the histamine type-1 receptor. *Mol Reprod Dev* 68:345-53.

**Liu Z**, Armant DR. Histamine enhances cytotrophoblast invasion by inducing intracellular calcium transients through the histamine type-1 receptor. Oral presentation and Poster in *2003 Annual Meeting of Society of Gynecologic Investigation*

**Liu Z**, Armant DR. (2004) Lysophosphatidic acid regulates murine blastocyst development by transactivation of embryonic heparin-binding EGF-Like growth factor (HB-EGF). *Exp Cell Res* 296:317-26.

Leach R., Kilburn B, Wang J, **Liu Z**, Romero R, Armant R. (2004) Heparin-binding EGF-like growth factor regulates human extravillous cytotrophoblast development during conversion to the invasive phenotype. *Dev Bio* 266:223-37.

**Liu Z**, Armant DR. (2003) Lysophosphatidic acid accelerates murine embryonic development by transactivating c-erb B4 receptor. Oral presentation and Poster in *36<sup>th</sup> Annual Meeting of Society for the Study of Reproduction*

**Liu Z**, Armant DR. (2001) Histamine induces intracellular calcium transients via H<sub>1</sub> receptor. Oral Presentation and Poster in *34<sup>th</sup> Annual Meeting of Society for the Study of Reproduction*

Armant DR, Wang J, **Liu Z**. (2000) Intracellular signaling in the developing blastocyst as a consequence of the maternal-embryonic dialogue. *Semin Reprod Med* 18: 273-87.

**Liu Z**, Li L, Wang J, Yang Y (1998) Effects of ureaplasma urealyticum intrauterine infection in uterus on the birth weight of newborns. *Academic J N Bethune Univ Med Sci* 24:482-483

Yang Y, **Liu Z** (1998) A study on the relationships between Ureaplasma urealyticum infection and premature rupture of membrane. *Chin J Birth Health Heredity* 6:21-26

Yue Y, **Liu Z**, Zhang L (1997) The perinatal vertical transmission of hepatitis delta virus infection between gravida and fetus. *J Newborn* 12:208-209

Yue Y, **Liu Z**, Yue J (1997) The relationship between level of trace elements and newborns birth weight. *Trace Element Health* 14: 25-26

Han M, Yiao M, Zhang S, Zhu X, **Liu Z** (1994) Effect of the delayed neuronal death on immune function. *Clinic Neuro* 2:71-74

### **Invited Presentation**

**Z Liu.** 2013 Management of Cervical Dysplasia. Annual Meeting of the Association of Chinese American Physicians. Flushing, NY. May 5.

**Z Liu.** 2012. Cervical Cancer Screening and Prevention. The Bridge Medical Summit 2012 by American Chinese Medical Association. Boston, MA. Nov. 10

**Z Liu.** 2012 Gestational Diabetes-A New High Risk Population. A Call to Action by Asian Americans, Native Hawaiians, and Pacific Islanders Diabetes Coalition Convening and Conference. Arlington, VA. May, 18.

**Z Liu,** 2011. Menorrhagia. Common Issues in Primary Care Medicine by American Chinese Medical Exchange Society. Belmont, MA. April.

### **Honors and Awards**

- 2013 Philip P. McGovern, Jr. MD Faculty Teaching Award by Tufts University School of Medicine
- 2008 National Faculty Award from The Council on Resident Education in Obstetrics and Gynecology of The American College of Obstetricians and Gynecologists
- 2008 Award for Excellence in Medical Student Teaching from Albert Einstein College of Medicine
- 2007 Best 2nd-Year OB/GYN Resident from Bayer Health
- 2006 Award for Excellence in Medical Student Teaching from Albert Einstein College of Medicine
- 2003 Presentation Finalist for 36<sup>th</sup> Annual Meeting of Society of Study of Reproduction, Cincinnati, OH
- 2003 Lalor Foundation Travel Fellow for 36<sup>th</sup> Annual Meeting of Society of Study of Reproduction, Cincinnati, OH
- 2001 Travel Fellow for Annual Meeting of 36<sup>th</sup> Society of Study of Reproduction, Montreal, Canada

### **Licensure and Certificate**

Full license: MA 243462 OB/GYN ABOG certified on 1/2013

### **Professional Interest**

Reproductive Medicine, Minimal invasive procedure

### **Membership and Committee Member**

Faculty Senator of School of Medicine of Tufts University (2012-present)  
Committee of Global Health and International Partnership (2014-present)  
Minority Committee Member of Society for the Study of Reproduction (SSR) (2003)  
Member of American Society for Reproductive Medicine (ASRM)  
Fellow of the American Congress of Obstetricians and Gynecologists (ACOG)  
Member of American Association of Gynecologic Laparoscopists (AAGL)  
Member of Society for the Study of Reproduction (SSR)

### **Language Skills (except English)**

Mandarin Chinese (excellent in speaking, writing, and reading)