

Principal Investigator/Program Director
(Last, First, Middle):

Ying, Jun

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.

Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Ying, Jun	POSITION TITLE Associate Research Professor / Biostatistician		
eRA COMMONS USER NAME			
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing,</i>			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Connecticut	M.S.	2002	Statistics
University of Connecticut	M.A.	2002	Economics
University of Connecticut	Ph.D.	2002	Statistics

A. Positions and Honors

Positions and Employment

- 1989 – 1994 Lecturer, Department of International Trade and Economics, Shanghai International Studies University, Shanghai, China
- 1994 – 1996 Teaching Assistant, Department of Economics, University of Connecticut, Storrs, CT
- 1997 – 1997 Student Supervisor, Homer Babbidge Library, University of Connecticut, Storrs, CT
- 1997 – 1999 Teaching Assistant, Department of Statistics, University of Connecticut, Storrs, CT
- 2002 – 2006 Adjunct Assistant Professor, Department of Radiology, Indiana University School of Medicine
- 2002 – 2006 Assistant Professor, Department of Medicine, Division of Biostatistics, Indiana University School of Medicine
- 2006 – Present Research Scientist (Biostatistician), Institute for the Study of Health, University of Cincinnati.
- 2006 – Present Assistant Research Professor, Department of Internal Medicine, Division of General Internal Medicine, University of Cincinnati.
- 2007 – 2009 Assistant Research Professor, Department of Public Health Sciences, University of Cincinnati.
- 2009 – Associate Research Professor, Department of Public Health Sciences, University of Cincinnati

Other experience and professional memberships

- 1999 – 2000 Statistical Consultant, Trumbull Service, LLC, Windsor, CT.
- 1999 – 2001 Statistical Consultant, Division of Biostatistics, University of Connecticut Health Center, Farmington, CT.
- 1999 – 2001 Statistical Consultant, Department of Pediatrics, University of Connecticut Health Center, Farmington, CT.

2000 – 2001 Statistical Consultant, Pfizer Inc, New London, CT.
2001 – 2002 Visiting Researcher, Department of Neurology, Albert Einstein College of Medicine, Yeshiva University, Bronx, NY.
Member of American Statistical Association.
Member of Institute of Mathematical Statistics.
Member of Chinese Students and Scholars Association.

Honors and Awards:

1999 Statistics Award for Excellent Performance in the Theory of Statistics, University of Connecticut.
2001 Summer Fellowship for Graduate Students, University of Connecticut.
2002 Doctoral Student Travel Awards, University of Connecticut.
2002 SBSS Student Travel Award to Attend the Joint Statistical Meetings.
2002 Doctoral Dissertation Fellowships, University of Connecticut.

B. Selected peer-reviewed publications

1. Shizukuda, Y, Abdul-Waheed, M, Yousuf, M, Kelly, S, Arena, R, Dunlap, S, Ying, J, and Naz, T (Submitted). Left Atrial Volume Following Heart Transplant Reflects Cardiopulmonary Exercise Test Characteristics after Heart Transplant, *Medicine & Science in Sports & Exercise*.
2. Douglas-Akinwande AC and Ying, J (Accepted). Diffusion-Weighted Imaging Characteristics of Primary Central Nervous System Germinoma with Histopathological Correlation: A Retrospective Study. *Academic Radiology*.
3. Swan, JS, Ying, J, Stahl, J, Kong, CY, Moy, B, Roy, J, Halpern, E (Accepted). Initial Development of the Temporary Utilities Index (TUI): A Multiattribute System for Classifying the Functional Health Impact of Diagnostic Testing. *Quality of Life Research*.
4. Mathew, A, Gaslin, T, Dunning, K, and Ying, J (In Press). Central Catheter Blood Sampling: The Impact of Changing the Needleless Caps Prior to Collection. *Journal of Infusion Nursing*.
5. Arnold, RW, Goske, M, Bulas, D, Benya, EC, Ying, J, and Sunshine, JH (In Press) Factors Influencing Subspecialty Choice Among Radiology Residents: A Case Study of Pediatric Radiology. *Journal of the American College of Radiology*.
6. Pacharn, P, Linam, L, Ying, J, King, M, and Babcock, D. (Submitted). Sonography in the evaluation of acute appendicitis : Is a negative sonogram good enough? *Pediatric Radiology*.
7. Pirko, I, Johnson, AJ, Lohrey, AK, and Ying, J. Deep Gray Matter T2 Hypointensity Correlates with Disability in a Murine Model of MS, *Journal of the Neurological Sciences*. 2009 Jan 20. [Epub ahead of print].
8. Winchester, PD, Huskins, J, and Ying, J. Agrichemicals in Surface Water and Birth Defects in the U.S., *Acta Paediatr*. 2009 April; 98(4): 664–669.
9. Rangel EI, Cook BS, Bennett, BL, Shebesta, K, Ying, J, and Falcone RA. (Submitted). Use of Guidelines Decrease Disparity in Screening for Abuse in Infants with Head Injury. *Journal of Head Trauma*
10. Brunner, HI, Higgins, GC, Wiers, K, Lapidus, SK, Olson, JC, Onel, K, Punaro, M, Ying, J, Klein-Gitelman, MS, and Seid, M. (Accepted). Health-related Quality of Life (HRQoL) and its Relationship to Patient Disease Course in Childhood-onset Systemic Lupus Erythematosus (cSLE), *Journal of Rheumatology*.

11. Brunner, HI, Higgins, GC, Wiers, K, Lapidus, SK, Olson, JC, Onel, K, Punaro, M, Ying, J, Klein-Gitelman, MS, and Seid, M. (Accepted). Health-related Quality of Life (HRQoL) and its Relationship to Patient Disease Course in Childhood-onset Systemic Lupus Erythematosus (cSLE), *Journal of Rheumatology*.
12. Hinze CH, Suzuki M, Klein-Gitelman M, Passo MH, Olson J, Singer NG, Haines KA, Onel K, O'Neil K, Silverman ED, Tucker L, Ying, J, Devarajan P, and Brunner MI (Submitted). Neutrophil Gelatinase-associated Lipocalin Predicts the Course of Global and Renal Childhood-Onset Systemic Lupus Erythematosus Disease Activity. *Arthritis & Rheumatism*
13. Eckman, MH, Ying, J, Hertzfeld, K, Kumar, N, and Barrett, W (Accepted). Longitudinal Analysis of Genitourinary and Bowel Symptoms in Prostate Cancer Patients following Brachytherapy, *American Journal of Clinical Oncology*.
14. Brunner, HI, Lovell, DJ, Kotagal, UR, Rutherford, C, Guo, M, Graham, TB, Passo, MH, Eckman, MH, and Ying, J, Ris, D, and Roebuck-Spencer, T (Submitted). Comparison of Methotrexate and Etanercept for the Treatment of Juvenile Idiopathic Arthritis with Polyarticular Disease Course, *Arthritis Care & Research*.
15. Suzuki M, Wiers K, Brooks EB, Greis KD, Haines K, Klein-Gitelman MS, Olson J, Onel K, O'neil KM, Silverman ED, Tucker L, Ying J, Devarajan P, Brunner HI. Initial Validation of a Novel Protein Biomarker Panel for Active Pediatric Lupus Nephritis. *Pediatr Res*. 2009 Feb 11. [Epub ahead of print]
16. Hammond, CS, Horner, RD, Ying, J, Gray, L, Gonzalez-Rothi, L, and Bolser, DC. Predicting aspiration in patients with ischemic stroke: comparison of clinical signs and aerodynamic measures of voluntary cough, *Chest*. 2009 Mar;135(3):769-77.
17. Khosla, S, Murugappan, S, Paniello, R, Ying, J, and Gutmark, E. Role of vortices in voice production: Normal versus asymmetric tension, *Laryngoscope*, 119:216-221, 2009.
18. Wansapura, JP, Zhao, XD, Ying, J, and Gottliebson, WM, (Submitted). Pulse wave velocity in the aortic arch in children by peak velocity tracking, *Journal of Magnetic Resonance Imaging*.
19. Brunner, HI, Klein-Gitelman, MS, Ying, J, Tucker, LB, and Silverman, ED. Corticosteroid use in childhood-onset systemic lupus erythematosus-practice patterns at four pediatric rheumatology centers. *Clin Exp Rheumatol*. 2009 Jan-Feb;27(1):155-62
20. Santucci, GM, Leach, JL, Ying, J, Leach, SD, and Tomsick, TA. Brain parenchymal signal abnormalities associated with developmental venous anomalies: detailed MRI assessment. *American Journal of Neuroradiology*. 2008 Aug;29(7):1317-23.
21. Sheyn DD, Racadio JM, Ying J, Patel MN, Racadio J, and Johnson ND. Efficacy of a radiation safety education initiative in reducing radiation exposure in the pediatric IR suite, *Pediatric Radiology*. 2008 Jun;38(6):669-74.
22. Velilla, PA, Shata, MT, Lages, CS, Ying, J, Fichtenbaum, CJ, and Chougnet C. Effect of low-dose IL-2 immunotherapy on frequency and phenotype of regulatory T cells and NK cells in HIV/HCV co-infected patients, *AIDS Research and Human Retroviruses*, 2008; Jan;24(1):52-61..
23. Foad, SL, Mehlman, CT, and Ying, J. Epidemiology of Neonatal Brachial Plexus Palsy in the United States: Years 1997, 2000, and 2003. *The Journal of Bone and Joint Surgery*, 2008 Jun;90(6):1258-64.
24. Suzuki M, Wiers KM, Klein-Gitelman MS, Haines KA, Olson J, Onel KB, O'Neil K, Passo MH, Singer NG, Tucker L, Ying J, Devarajan P, and Brunner HI.,

- Neutrophil gelatinase-associated lipocalin as a biomarker of disease activity in pediatric lupus nephritis. *Pediatr Nephrol.* 2008 Mar;23(3):403-12.
25. Brunner HI, Ruth NM, German A, Nelson S, Passo MH, Roebuck-Spencer T, Ying J, and Ris D. Initial validation of the Pediatric Automated Neuropsychological Assessment Metrics for childhood-onset systemic lupus erythematosus. *Arthritis Rheum.* 2007 Oct 15;57(7):1174-82.
 26. Stecker MS, Johnson MS, Ying J, McLennan G, Agarwal DM, Namyslowski J, Ahmad I, Shah H, Butty S, and Casciani T. Time to hemostasis after traction removal of tunneled cuffed central venous catheters. *J Vasc Interv Radiol.* 2007 Oct;18(10):1232-9; quiz 1240.
 27. Szaflarski, M, and Ying J. Poverty and Health: A Comparison of Immigrant and US-Native Children, *Child Poverty in America Today (Volume 4)*. 2007, Greenwood Publishing Group.
 28. Strub WM, Brown TA, Ying J, Hoffmann M, Ernst RJ, Bulas RV. Translaminar cervical epidural steroid injection: short-term results and factors influencing outcome. *J Vasc Interv Radiol.* 2007 Sep;18(9):1151-5.
 29. Strub WM, Leach JL, Ying J, Vagal A. First year radiology residents not taking call: will there be a difference? *Emerg Radiol.* 2007 Feb;13(5):231-5.
 30. Karmazyn B, Loder RT, Kleiman MB, Buckwalter KA, Siddiqui A, Ying J, and Applegate KE. The role of pelvic magnetic resonance in evaluating nonhip sources of infection in children with acute nontraumatic hip pain. *J Pediatr Orthop.* 2007 Mar; 27(2):158-64.
 31. Karmazyn, B, Bowyer, S, Schmidt, K, Ballinger, S, Buckwalter, K, Beam, T, and Ying J. US findings of metacarpophalangeal joints in children with idiopathic juvenile arthritis. *Pediatric Radiology.* 2007 May; 37(5):475-82.
 32. Johnson AJ, Ying J, El Gammal T, Timmerman RD, Kim RY, and Littenberg B. Which MR imaging sequences are necessary in determining the need for radiation therapy for cord compression? A prospective study. *Am J Neuroradiol.* 2007 Jan;28(1):32-7.
 33. Liu GC, Wilson JS, Qi R, and Ying J. Green neighborhoods, food retail and childhood overweight: differences by population density. *Am J Health Promot.* 2007 Mar-Apr;21(4 Suppl):317-25.
 34. Handa RK, McAteer JA, Willis LR, Pishchalnikov YA, Connors BA, Ying J, Lingeman JE, and Evan AP. Dual-head lithotripsy in synchronous mode: acute effect on renal function and morphology in the pig. *BJU Int.* 2007 May;99(5):1134-42.
 35. Handa RK, Matlaga BR, Connors BA, Ying J, Paterson RF, Kuo RL, Kim SC, Lingeman JE, Evan AP, and Willis LR. Acute effects of percutaneous tract dilation on renal function and structure. *J Endourol.* 2006 Dec;20(12):1030-40.
 36. Handa RK, Willis LR, Evan AP, Connors BA, Ying J, Fat-Anthony W, Wind KR, Johnson CD, Blomgren PM, Estrada MC, Paterson RF, Kuo RL, Kim SC, Matlaga BR, Miller NL, Watkins SL, Handa SE, and Lingeman JE. Percutaneous Access: Acute Effects on Renal Function and Structure in a Porcine model. A.P. Evan, J.E. Lingeman, J.C. Williams (eds) American Institute of Physics, Melville, NY.
 37. Robertson, J, Meier, M, Wall, J, Ying J, and Fichtenbaum, C. Immune reconstitution syndrome in HIV: Validating a case definition and identifying clinical predictors in persons initiating antiretroviral therapy, *Clinical Infectious Diseases* 2006; 42:1639-1646.

38. Rydberg J, Sandrasegaran K, Ying J, Akisik F, Choplin RH, and Tarver RD. Isotropic chest CT examination: diagnostic quality of reformats, Clinical Radiology 2006; 61: 588-592.
39. Jennings S, Winer-Muram H, Tann M, Ying J, and Dowdeswell I. Distribution of Stage I Lung Cancer Growth Rates Determined with Serial Volumetric CT Measurements, Radiology 2006; 241(2):554-63.
40. Connors B, Evan A, Blomgren P, Willis L, Handa R, Lifshitz D, Lingeman J, and Ying J. Reducing shock number dramatically decreases lesion size in a juvenile kidney model, Journal of Endourology 2006; 20(9):607-11.
41. DeGrado T, Kitapci M, Wang S, Ying J, and Lopaschuk G. Validation of 18F-Fluoro-4-Thia-Palmitate as a PET Probe for Myocardial Fatty Acid Oxidation: Effects of Hypoxia and Composition of Exogenous Fatty Acids, Journal of Nuclear Medicine 2006;47(1):173-181.
42. Kijowski R, Farber JM, Medina J, Morrison W, Ying J, and Buckwalter K. Comparison of Fat-Suppressed T2-Weighted Fast Spin-Echo Sequence and Modified STIR Sequence in the Evaluation of the Rotator Cuff Tendon, American Journal of Roentgenology 2005; 185(2):371-8.
43. Ying J, Kuo L, and Seow S. Forecasting stock prices using a hierarchical Bayesian approach. Journal of Forecasting 2005; 24: 39-59.
44. Johnson AJ, Ying J, Swan SJ, Williams LS, Applegate KE, and Littenberg L. Improving the Quality of Radiology Reporting: A Physician Survey to Define the Target. Academic Radiology 2004;1:497-505.
45. Winer-Muram HT, Rydberg J, Johnson MS, Tarver RD, Williams MD, Shah H, Namyslowski J, Conces D, Trerotola SO, Jennings SG, Ying J; and Kopecky K. Suspected acute pulmonary embolism: evaluation with multi-detector row CT versus digital subtraction pulmonary arteriography, Radiology 2004; 233: 806-815.
46. Xu Y, Jagtap M, Garland T, Ying J, McGarry R, Mendonca M, and McLennan G. Iododeoxyuridine (IUdR) uptake in proliferating smooth muscle cells: An in vitro model to assess drug effects on intimal hyperplasia, Chinese Journal of International Imaging and Therapy 2004; 1: 71-77.
47. Benn PA, and Ying J. Preliminary estimate for the second-trimester maternal serum screening detection rate of the 45,X karyotype using alpha-fetoprotein, unconjugated estriol and human chorionic gonadotropin, Journal of Maternal-Fetal and Neonatal Medicine 2004;15:160-6.
48. Applegate K, Tello R, and Ying J. Hypothesis Testing III: Counts and Medians. Radiology 2003 Sep;228(3):603-8.
49. Hall CB, Ying J, Kuo L, and Lipton RB. Bayesian and profile likelihood change point methods for modeling cognitive function over time. Computational Statistics and Data Analysis 2003 Feb28; 42(1-2):91-109.
50. Benn PA, Ying J, Kaminsky LM, Borgida AF, and Egan JFX. Combined second-trimester biochemical and ultrasound screening for Down syndrome. Obstetrics & Gynecology 2002;110:1168-76.
51. Hall CB, Ying J, Kuo L, Silwinshi M, Buschke H, Katz M, and Lipton RB. Estimation of bivariate measurements having different change points, with Application to Cognitive Aging. Statistics in Medicine 2001;20:3695-714.
52. Benn PA, Ying J, Beazoglou T, and Egan JFX. Estimates for the sensitivity and false-positive rates for second trimester serum screening for Down syndrome and trisomy 18 with adjustment for cross-identification and double-positive results. Prenatal Diagnosis 2001;21:46-51.

53. Chen C, Li G, and Ying J. Foreign Trade: Countries in South Pacific Ocean, Fudan University Press: Shanghai, China, 1993, ISBN7-309-01146-5.

C. Research Support

Ongoing Research Support

2R01HL065915-06A2 (PI: Hui, David, PhD) 07/19/2006 – 06/30/2011
Lipogenesis & Lipoprotein Complications of HIV Therapy
Biostatistician

1U01AR055054-01 (PI: Brunner, Hermine, MD) 08/17/2007 – 07/31/2010
Efficacy Measures for Pediatric Lupus Studies
Biostatistician

2P60 AR047784-06A2 (PI: Glass, David, MD) 04/01/2008 – 03/31/2013
Cincinnati Multidisciplinary Clinical Research Center
Statistician

R01 (PI: Pirko, Istvan, MD) 04/01/2008 – 03/31/2012
The Role of CD8+ T Cells in the Formation of T1 Black Holes in an Animal Model of MS
Statistician

Completed Research Support (* uncompleted projects due to job changes)

P01 DK043881-10A1 (PI: Evan, Andrew, PhD)*
Strategies for Improved Shock Wave Lithotripsy
Co-investigator and leader of Biostatistics Core

RSGPB-05-012-01-CPP (PI: Fife, Betsy, PhD)*
Adaptation of Families to Bone Marrow Transplant
Co-investigator and Biostatistician

R01CA108620-01 (PI: DeGrado, Timothy, PhD)*
Choline Tracers for Imaging of Cancer
Co-investigator and Biostatistician

2R01NS036524-07A1 (PI: Navia, Bradford, PhD)*
In vivo proton MRS studies: cerebral injury in HIV infection
Biostatistician

5R01EB005964-02 (PI: Bansal, Navin, PhD)*
Monitoring Hepatitis and Cirrhosis by ²³Na MRS/MRI
Co-investigator and Biostatistician

R21LM007970-03 (PI: SHAUN, S., MD)*
Syndromic Surveillance Data Exchange and Analysis
Biostatistician