

# Xiaomin Lu

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## University Address

Department of Epidemiology and Biostatistics  
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## Degrees

- Aug. 2007 Ph.D., Statistics (GPA 4.0/4.0), North Carolina State University
- May 2005 M.S., Statistics (GPA 4.0/4.0), North Carolina State University
- Aug. 2003 M.A., Mathematics (GPA 3.9/4.0), Central Michigan University
- Jul. 1999 B.S., Applied Mathematics (GPA 88/100), South China University of Technology

## Experience

- Nov. 2007 – Senior Statistician, Resource Statistician for Relapsed Acute Lymphoblastic Leukemia (ALL) clinical trials in the Children's Oncology Group (COG) (Develop and submit new concepts for proposed pilot, Phase II and III clinical trials to NCI; Develop study design, determine sample size requirements, and safety and efficacy monitoring rules, and data collection elements; Perform interim analyses to monitor 4 ongoing studies for patient enrollment, accrual targets, and safety with respect to observed toxicities and other adverse events; Generating biannual study progress reports and confidential data safety monitoring reports...)
- Jul. 2007 – Assistant Professor, Department of Epidemiology and Biostatistics  
College of Public Health and Health Professions, University of Florida
- Aug. 2006 – Jun. 2007 Research Assistant of Dr. Anastasios A.Tsiatis  
Department of Statistics, North Carolina State University
- May 2006 – Aug. 2006 Summer Intern, Vaccine BARDS  
Merck Research Laboratory, North Wales, PA  
(Two data analysis projects from clinical trials – HIV vaccine & sleep drug;  
Two applied research projects – Compare stratified rank-based tests  
& sensitivity analysis on selection bias from HIV vaccine )
- Sep. 2004 – May 2006 Research Assistant of Dr. Anastasios A.Tsiatis  
Department of Statistics, North Carolina State University
- Aug. 2003 – Sep. 2004 Teaching Assistant, Department of Statistics  
North Carolina State University
- May 2002 – Jul. 2003 Data Mining Research Assistant  
Center of Applied Research and Technology, Central Michigan University  
(statistical analysis of two business projects using data mining applications)

## Experience

Jul. 1998 – Oct. 1998 Programming Intern, YIDA Computer System CO. Ltd.  
Guangzhou, P.R. China  
(Designed and implemented a retail selling system)

## Honors and awards

2006 David P. Byar Young Investigator Travel Award  
presented by the Biometrics section at the 2006 JSM, Seattle, WA  
2005 Gertrude M. Cox Academic Achievement Award Outstanding Ph.D. Qualifier  
2005 Elected to The National Statistical Honor Society of Mu Sigma Rho  
2001 Doctoral Fellowship (renewed in 2002)  
Mathematics Department, Central Michigan University  
2001 Prize of Excellent Work as a First Year Graduate Student  
Mathematics Department, Central Michigan University  
1997 The First Prize of National Mathematical Contest of Modelling  
1996 Excellent Undergraduate Student Award  
Applied Mathematics Department, South China University of Technology  
(I got this Award three times in 1996, 1997 and 1998, separately)

## Research interests

Clinical trial, censored survival analysis, semiparametric methods with missing and censored data, longitudinal data analysis and causal inference

## Professional societies

American Statistical Association  
International Biometric Society (ENAR)  
Institute of Mathematical Statistics

## Teaching experience

Spring, 2008 - PHC 6050 (Online): Statistical Methods for Health Sciences I, University of Florida  
Fall, 2008 - PHC 6050: Statistical Methods for Health Sciences I, University of Florida  
Spring, 2009 - PHC 6050 (Online): Statistical Methods for Health Sciences I, University of Florida

## Grants and contracts

2007- NIH/NCI 1U01 CA114762 (Willman), SPECS (Strategic Partnering To Evaluate Cancer Signatures) - Leukemia Signatures for Risk Classification and Targeting: Evaluation of Gene Expression Profiles for Risk Classification and Therapeutic Targeting in Acute Leukemia in Children and Adults (PI Meenakshi Devidas, Children's oncology group, University of Florida, 7/1/2005-6/30/2010). **Co-investigator.**  
2007- NIH/NICHD 3 U10 CA098543-03S1 (Reaman), BPCA (Best Pharmaceuticals in Children Act) - Methotrexate Neurotoxicity in children with ALL (PI Meenakshi Devidas, Children's oncology group, University of Florida, 12/1/2005-2/28/2009). **Co-investigator.**  
2009- NIH/NCI U10 CA98413, Children's Oncology Group Statistics and Data Center (PI Meenakshi Devidas, Children's oncology group, University of Florida, 3/1/2008 - 2/28/2014). **Co-investigator.**

**Peer-reviewed publications**

- Lee, C. and **Lu, X.** (2005) Choice between partial least square and neural network predictive models. *International Journal of Computer and Information Science*, Vol.6, No.1, 31-37.
- Lu, X.** and Tsiatis, A. A. (2008) Improving the efficiency of the logrank test using auxiliary covariates. *Biometrika*. 95, 679-694. doi: 10.1093/biomet/asn003.
- Tsiatis, A. A., Davidian M., Zhang M. and **Lu, X.**(2008) Covariate adjustment for two-stage treatment comparisons in randomized clinical trials: A principles yet flexible approach. Invited submission to *Statistics in Medicine* special issue on "Statistical methods in HIV/AIDS and its practical application." 27, 4658 - 4677. PMID:46485.
- Mehrotra, D. V., **Lu, X.** and Li, X. (2008) A Comparison of Methods for Rank-Based Analyses of Stratified Experiments. Submitted to *The American Statistician*. In revision.
- Lu, X.** and Tsiatis, A. A. (2008) Semiparametric estimation of treatment effect with time-lagged response in the presence of informative censoring. Submitted to *Lifetime Data Analysis*.

**Non-Refereed Publications**

- Lu, X.**, Chen, R., *Fall 2008* Data Safety Monitoring Committee Report: **AALL0433**, Intensive Treatment for Intermediate-Risk Relapse of Childhood B-Precursor Acute Lymphoblastic Leukemia (ALL): A Randomized Trial of Vincristine Strategies. Pp. 9
- Lu, X.**, Chen, R., Lew, G., *Fall 2008* COG Study Progress Report: **AALL0433**, Intensive Treatment for Intermediate-Risk Relapse of Childhood B-Precursor Acute Lymphoblastic Leukemia (ALL): A Randomized Trial of Vincristine Strategies. Pp. 21
- Lu, X.**, Chen, R., *Fall 2008* Data Safety Monitoring Committee Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 9
- Lu, X.**, Chen, R., Raetz, E., J., *Fall 2008* COG Study Progress Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 46
- Lu, X.**, Wang, Y., *Spring 2009* Data Safety Monitoring Committee Report: **AALL02P2**, Treatment of Late Isolated Extramedullary Relapse from Acute Lymphoblastic Leukemia (ALL) (Initial CR1<sub>1</sub>/=18 months). Pp. 13
- Lu, X.**, Wang, Y., Barredo, J., *Spring 2009* COG Study Progress Report: **AALL02P2**, Treatment of Late Isolated Extramedullary Relapse from Acute Lymphoblastic Leukemia (ALL) (Initial CR1<sub>1</sub>/=18 months). Pp. 30
- Lu, X.**, Wang, Y., *Spring 2009* Data Safety Monitoring Committee Report: **AALL0433**, Intensive Treatment for Intermediate-Risk Relapse of Childhood B-Precursor Acute Lymphoblastic Leukemia (ALL): A Randomized Trial of Vincristine Strategies. Pp. 15
- Lu, X.**, Wang, Y., Lew, G., *Spring 2009* COG Study Progress Report: **AALL0433**, Intensive Treatment for Intermediate-Risk Relapse of Childhood B-Precursor Acute Lymphoblastic Leukemia (ALL): A Randomized Trial of Vincristine Strategies. Pp. 26
- Lu, X.**, Wang, Y., *Spring 2009* Data Safety Monitoring Committee Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 13

**Lu, X.**, Wang, Y., Raetz, E., J., *Spring 2009* COG Study Progress Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 50

**Lu, X.**, Wang, Y., *Fall 2009* Data Safety Monitoring Committee Report - Toxicity Summary: **AALL0433**, Intensive Treatment for Intermediate-Risk Relapse of Childhood B-Precursor Acute Lymphoblastic Leukemia (ALL): A Randomized Trial of Vincristine Strategies. Pp. 2

**Lu, X.**, Wang, Y., *Fall 2009* Data Safety Monitoring Committee Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 13

**Lu, X.**, Wang, Y., Raetz, E., J., *Fall 2009* COG Study Progress Report: **ADVL04P2**, A Feasibility Pilot and Phase 2 Study of Chemoimmunotherapy with Epratuzumab for Children with Relapsed CD22-Positive Acute Lymphoblastic Leukemia (ALL). Pp. 88

### Presentations

*Comparing stratified rank-based tests.* Biostatistics and Research Decision Sciences (BARDS) department, Merck Research Laboratories, North Wales, PA, August 3, 2006.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Joint Statistical Meetings (JSM), August 10, 2006.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Department of Quantitative Health Sciences, Cleveland Clinic Foundation, January 4, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Department of Epidemiology and Biostatistics, Memorial Sloan-Kettering Cancer Center, January 29, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Department of Epidemiology and Biostatistics, University of Florida, February 13, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Statistical Center for HIV/AIDS Research and Prevention, Fred Hutchinson Cancer Research Center, February 21, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Health Administration, Biostatistics, and Epidemiology, University of Georgia, February 27, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Department of Biostatistics, University of Wisconsin at Madison, March 2, 2007.

*Improving the efficiency of the log-rank test using auxiliary covariates.* ENAR, March 14, 2007.

*Semiparametric Estimation of Treatment Effect with Time-Lagged Response in the Presence of Informative Censoring.* ENAR, March 17, 2009.

*Improving the efficiency of the log-rank test using auxiliary covariates.* Department of Biostatistics, Bioinformatics and Biomathematics, Georgetown University, March 27, 2009.

### Computing skills

SAS, R, C, SPSS, Maple, WinBUGS, FORTRAN  
 JMP, SAS Enterprise Miner, IBM Intelligent Miner  
 $\LaTeX$ , Microsoft Office, Windows