

## CURRICULUM VITAE

**Name:** Dejian Lai

**Date of Birth:** September 18, 1961

**Address:** The University of Texas  
Health Science Center at Houston  
School of Public Health  
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**Education:**

9/89–8/94      **Ph.D.** in Statistics  
**Dissertation:** Contributions to Nonlinear Time Series Analysis  
University of Texas at Dallas  
Richardson, TX

9/87–5/89      **M.S.** in Statistics  
University of Texas at El Paso  
El Paso, TX

3/87–7/87      **Diploma** in Demography  
Munich Center for Advanced Training  
Commission of the European Communities  
Munich, Germany

3/78–1/82      **B.S.** in Computational Mathematics  
Jiangxi University  
Nanchang, China

**Professional Positions:**

9/04–      Professor, Biostatistics and Global Health  
School of Public Health  
The University of Texas Health Science Center  
Houston, TX

**Professional Positions**(Continued):

- 9/06–8/08 Curriculum Coordinator, Biostatistics  
School of Public Health  
The University of Texas Health Science Center  
Houston, TX
- 9/00–8/04 Associate Professor, Biostatistics (Tenured)  
International and Family Health Module  
School of Public Health  
The University of Texas Health Science Center  
Houston, TX
- 8/94–8/00 Assistant Professor, Biometry (Tenure Track)  
International and Family Health Module  
School of Public Health  
The University of Texas Health Science Center  
Houston, TX
- 6/94–7/94 Faculty Research Associate (Postdoc)  
Department of Statistical Science  
Southern Methodist University. Dallas, TX
- 9/89–8/94 Teaching Assistant  
Programs in Mathematical Sciences  
University of Texas at Dallas. Richardson, TX
- 9/87–5/89 Teaching Assistant  
Programs in Mathematical Sciences  
University of Texas at El Paso. El Paso, TX
- 1/82–8/87 Statistician  
Social Division, Population Division  
Jiangxi Provincial Statistical Bureau. Nanchang, China

**Honors:**

- 3/78–1/82 Undergraduate Scholarship  
Jiangxi University. Nanchang, China
- 3/87–7/87 Selected by the Chinese State Statistical Bureau and sponsored by the Commission of the European Communities for advanced training in demography
- 9/87–5/89 Graduate Scholarship  
University of Texas at El Paso. El Paso, TX
- 9/89–8/94 Graduate Scholarship  
University of Texas at Dallas. Richardson, TX
- 2001–  
2003 Who's Who in America, 55th– Edition  
Travel award (ChunHui) for academic visit to Xian Jiaotong University  
Ministry of Education of China (Canceled due to SARS in China)
- 2006 Travel award (ChunHui) for academic visit to Xian Jiaotong University  
Ministry of Education of China
- 2004 Fellowship for one month academic visit to City University of Hong Kong
- 2004-10 Travel award for academic visits to Faculty of Statistics  
Jiangxi University of Finance and Economics
- 2004 Travel grant from American Association of Medical Chronobiology and  
Chronotherapeutics to attend National Chronobiology Conference of China  
in Hainan, China.
- 2008 Travel grant from Mathematics Research Promotion Center  
National Science Council, Taiwan
- 1997-2001 Peer Recognition for Outstanding Scholarship  
UT Health Science Center, Houston, TX
- 1998-2006 Excellence in Research Incentive Award
- 2008-2009 Excellence in Research Incentive Award
- 1998-2006 Excellence in Scholarship Incentive Award
- 2008 Dean's Excellence in Teaching Award  
UT School of Public Health, Houston, TX

**Consultant Experience:**

- 5/06– Texas Heart Institute, Houston, Texas
- 1/06-12/06 International Pediatric Hypertension Association (IPHA)
- 1/06– Nanjing Medical University, Nanjing, China  
School of Public Health
- 1/06– University of Louisville, Louisville, Kentucky  
Department of Pediatrics
- 5/03– Xian Jiao Tong University, Xian, China  
School of Public Health
- 10/05– Tianjin University, Tianjin, China  
College of Pharmaceuticals & Biotechnology
- 9/05– World Health Organization  
Pan American Health Organization
- 8/05–12/06 Mayor's Task Force on the Health Effects of Air Pollution (Houston)

**Consultant Experience:**(Continued)

- 07/09– University of Hong Kong School of Public Health, Hong Kong, China
- 6/06– Huazhong University of Science and Technology, Wuhan, China  
Tongji School of Public Health
- 3/03–12/04 Hong Kong University of Science and Technology  
Department of Biology
- 6/04– Jiangxi University of Finance and Economics, Nanchang, China  
Faculty of Statistics  
School of Finance
- 6/04– Nanchang University, Nanchang, China  
School of Public Health  
College of Science
- 6/04–7/04 Jiangxi School of Statistics, Nanchang, China
- 10/00–1/03 National University of Singapore, Singapore  
Institute of Molecular and Cell Biology
- 12/01– Sun Yat-Sen University, Guangzhou, China  
School of Public Health, Department of Medical Statistics  
Lingnan College, Department of Finance
- 8/00– City University of Hong Kong, China  
Department of Electrical and Computer Engineering
- 9/94– Medical School, UT Health Science Center  
Department of Internal Medicine  
Department of Psychiatry and Behavioral Science  
Department of Radiology  
Harris County Psychiatric Center  
Department of Pediatrics  
Department of Surgery  
Division of Infectious Diseases
- 5/01– School of Nursing, UT Health Science Center  
Department of Target Population
- 4/01– Baylor College of Medicine  
Department of Medicine  
Department of Neurology
- 1/95–1/00 University of Houston  
Department of Electrical and Computer Engineering
- 1/96– MD Anderson Cancer Center, University of Texas  
Department of Epidemiology  
Department of Thoracic and Cardiovascular Surgery
- 9/95– Medical Branch at Galveston, University of Texas  
Department of Physiology and Biophysics  
Department of Preventive Medicine and Community Health  
Department of Internal Medicine

**Consultant Experience:**(Continued)

1/03– Houston Advanced Research Center, Woodland, TX  
6/03–6/03 Reliant Energy, Houston, TX  
7/03–12/06 Texas Tech University, Lubbock, TX  
1/96– Shell Oil Company, Houston, TX  
Corporate Medical Department  
8/03–12/06 Amgen Inc., Thousand Oaks, CA  
10/97–5/99 Visual Numerics (IMSL) Inc., Houston, TX  
2/94–2/95 Savitz (Marketing) Research Center Inc., Dallas, TX  
6/02–8/02 Houston Police Department, Houston, TX

**Professional Organizations:**

American Statistical Association (1990-)  
Institute of Mathematical Statistics (1994-2000)  
American Public Health Association (1994-)  
Society for Clinical Trials (1995-1997)  
International Biometric Society (1994-)  
International Chinese Statistical Association (1995-1999)  
Member of the Board of Directors of  
(Houston) Chinese Association of Professionals in Science and Technology (2000-2002)

**Peer Review Activities:**

*Editorial Boards:* Advances and Applications in Statistics (2001-)  
Far East Journal of Theoretical Statistics (2004-)  
International Journal of Statistics & Systems (2005-)  
JP Journal of Biostatistics (2007-)

*Conferences:* European Conference on Circuit Theory and Design ECCTD (2005)  
The 34th IEEE Conference on Decision and Control (1997)  
The International Conference on Communications, Circuits and Systems &  
West Sino-Expo (2002)

*Grants:* Enhance and Advance Research, University of Houston (2002)  
The U.S. Civilian Research & Development Foundation (2005)

*Promotion/Tenure:* Texas Tech University  
Department of Family and Community Medicine (2006)  
UT Medical School  
Department of Internal Medicine (2007)  
Department of Pediatrics (2003)  
UT School of Health Information Sciences (2005)

*DSMB:* UT TAAD-SCCOR (NHLBI) (2008-2010)

*Ph.D. Examiner* Annamalai University, India (2009)

*Award Reviewer* Science Awards, Shaanxi Province, China (2009)

*NIH Grant Reviewer* Challenge Grants Panel 29 (2009)

**Peer Review Activities(Continued):**

*Journals:* Advances and Applications in Statistics (2001-)  
American Journal of Epidemiology (1997-)  
Annales de L' I. S. U. P. (2000-)  
Annals of Epidemiology (2006-)  
Archives of Ophthalmology (2009-)  
Biometrics (2004-)  
BMC Public Health (2004-)  
BMC Environmental Health (2007-)  
Bulletin of the World Health Organization (2004-)  
Chronobiology International (2000-)  
Communications in Statistics - Theory and Methods (1997-)  
Communications in Statistics - Simulation and Computation (2007-)  
Computers and Mathematics with Applications (2001-)  
Ecology and Society (2004-)  
Evaluation and Program Planning (2008-)  
Expert Review of Pharmacoeconomics and Outcomes Research (2006-)  
Far East Journal of Theoretical Statistics (2004-)  
Genetics (2003-)  
IEEE Transactions on Circuits and Systems (1996-)  
Information Sciences (2000-)  
International Journal for Numerical Methods in Engineering (2003-)  
International Journal for Equity in Health (2008-)  
International Journal of Bifurcation and Chaos (1996-)  
International Journal of Health Geographics (2007-)  
Journal of Acquired Immune Deficiency Syndrome (2009-)  
Journal of Applied Statistics (2008-)  
Journal of Environmental Management (2008-)  
Journal of Happiness Studies (2007-)  
Mathematical and Computer Modelling (1996-)  
Physics Letter A (2004-)  
Population Studies (2007-)  
Risk Analysis (2003-)  
Southern Medical Journal (2008-)  
Statistics and Computing (2002-)  
Water Research (2008-)

**Current and Prior Research:**

*Funded Research:*

- PI, Herman Foundation (UT Medical School, Dr. Smalling) funded project: “Data Coordinating Center for PATCAR/STEMI Registry.” (10% FTE, 9/08-, \$240,000 first two years).
- PI, Visual Numerics (IMSL) funded project: “Nonlinear Time Series (GARCH) Modeling.” (20% FTE, 2/98–1/99, \$17,544).
- Co-investigator NIH funded project (U01): “Cardiovascular Cell Therapy Research Network Coordinating Center” PI: Lemual A. Moye, UT School of Public Health, Houston, TX. (20%, 01/07-12/11, \$17,882,096).
- Co-investigator NIH funded project (Supplementary to U01): “A hybrid method in combining effects from matched and unmatched studies” PI: Robert J. Hardy, UT School of Public Health, Houston, TX. (30%, 09/09-09/10, \$290,035, proposal writer).
- Co-investigator NIH funded project (UL1): “Center for Clinical and Translational Sciences (CCTS)” PI: McPherson, UT Health Science Center at Houston (10% FTE, 3/09-8/09, \$4,428,094).
- Co-investigator NIH funded project (R01): “Bovine lactoferrin for prevention of diarrhea in children” PI: Tom Cleary, UT School of Public Health (10% FTE, 1/08–12/12, \$1,246,771).
- Co-investigator NIH grant proposal (R03): “Hazardous Air Pollutants and Lymphohematopoietic Cancer Incidence in Houston” PI: Elaine Symanski, UT School of Public Health, TX (3.5% FTE, 12/07–12/10, \$148,500).
- Co-investigator NIH funded project (R01): “An HB Vaccine Model For HIV Vaccine Trials in Drug Users.” PI: Lu-yu Hwang, UT School of Public Health, Houston, TX. (10% FTE, 9/06–2/08, \$3,397,721).
- Co-investigator US Army grant: “Texas Training & Technology Against Trauma and Terrorism.” PI: S.Ward Casscells, UT Medical School, Houston, TX. (15% FTE, 11/06–9/07, \$16,227,648).
- Co-investigator Leland Center funded project: “Association between Exposures to Oxygenated Air Toxics and Asthma: An Exposure and Health Effects Study of Houston Area School Children.” PI: George L. Delclos, UT School of Public Health, Houston, TX. (5% FTE, 9/01–2/06, \$320,871).
- Co-investigator NIOSH funded project (R01): “A Validated Asthma Questionnaire for Healthcare Workers.” PI: George L. Delclos, UT School of Public Health, Houston, TX. (5% FTE, 10/01–10/05, \$495,915).

**Current and Prior Research(Continued):**

- Co-investigator NIH funded project (R03): “Blood Pressure and Stimulant Medication in Children.” PI: Jonathan Sorof, UT Medical School, Houston, TX. (10% FTE, 01/02–01/04, \$100,000).
- Co-investigator NIH funded project (K23): “End-Organ Injury in Hypertensive Children.” PI: Jonathan Sorof, UT Medical School, Houston, TX. (10% FTE, 01/01–12/05, \$706,309).
- Consultant McDonald Foudation funded project: “Use of Body Temperature Decrease in CHF Hamsters as a Predictor for Timing of Additional Medical Intervention” PI: Amany H. Ahmed , Texas Heart Institute, TX. (05/08–05/09)
- Consultant Division of Immunology and Organ Transplantation, Department of Surgery, UT Medical School. PI: Barry D. Kahan. (25% FTE, 10/01–05/03).
- Consultant Texas Heart Institute, Department of Cardiology. PI: James Michael Wilson. (10% FTE, 3/08–12/08).
- Co-investigator NIH funded project (R01): “Oxygen Saturation Monitoring in Neonates.” PI: Shyang Yun Pamela Koong Shiao, Department of Target Populations, UT School of Nursing, Houston, TX. (2% FTE, 9/01–1/03, \$1,739,703).
- Co-investigator NIH funded project (R01): “Magnetic Resonance of Multiple Sclerosis.” PI: Ponnada Narayana, Department of Radiology, UT Medical School, Houston, TX. (10% FTE, 4/97–3/02, \$1,812,404).
- Co-investigator, NIH funded project (R01): “Serial Magnetic Resonance in Multiple Sclerosis.” PI: Ponnada Narayana, Department of Radiology, UT Medical School, Houston, TX. (10% FTE, 4/96–3/97).
- Funded Training Grant:*
- Co-investigator NIH (FIC) Training grant: “Center for International Training and Research (CITAR)” PI: Palmer Beasley (0% FTE, 9/06–8/11, \$1,415,075).
- Co-investigator NIH (NIGMS) Training grant: “Training Program in Biostatistics” PI: Barry R. Davis (0% FTE, 9/06–8/11, \$2,200,000).
- Other Funded Projects:*
- PI Texas Heart Institute funded project: “Statistical Analysis of Body Temperature and Survival of TO-2 Hamster” (0% FTE, 12/07–12/08)
- PI WHO/PAHO funded project: “Statistical Analysis of US-Mexico Border Diabetes Survey” (0% FTE, 9/05–12/07)
- Co-PI (Mentor) National Science Foundation of China (NSFC) : “Spatial Statistical Analysis of Maternal and Child Health in Western China” PI: Yuxue Bi, Xian Jiaotong University, China (0% FTE, 1/08–12/10).

**Current and Prior Research(Continued):**

*Grant Proposals:*

- Co-investigator NIH grant proposal: "Tracking Air Pollutants and Newborn Health in Houston, Texas" PI: Elaine Symanski, UT School of Public Health, TX (15% FTE, 12/09–12/11, \$500,000).
- Co-investigator NIH grant proposal: "Coordinated Informatics Center for Public Health Disparaties Research." PI: Chiehwen E. Hsu, UT School of Health Informatics, TX (30% FTE, 09/09–10/11, \$1,750,000).
- Co-investigator EPA grant proposal: "Analytical Strategies for Assessing Cumulative Effects of Chemical and Nonchemical Stressors." PI: Stephen H. Linder, UT School of Health Informatics, TX (10% FTE, 09/10–10/12, \$537,030).

*Research Positions:*

- Research Associate, "Statistical Techniques Related to Modeling Global Climate Change." Department of Statistical Science, Southern Methodist University. Dallas, TX 6/94-7/94.
- Research Associate, "Statistical Techniques Related to Detecting Underground Nuclear Explosions." Department of Statistical Science, Southern Methodist University. Dallas, TX 6/94-7/94.

*Other Research:*

- Co-PI "Population Projections of Jiangxi Province." Jiangxi Provincial Statistical Bureau. Nanchang, China. 1983-1987.
- Co-PI "County Level Life Tables." Jiangxi Provincial Statistical Bureau. Nanchang, China. 1984-1986.
- Participant, "World Fertility Survey (China)." State Statistical Bureau of China and International Statistical Institute. 1985-1986.
- Participant, "1982 Population Census of China." State Statistical Bureau of China. 1982-1987.

**Other Activities:**

The University of Texas School of Public Health

Advisor and Committee Member for Master and Doctoral Students

Member (1994-)/Coordinator (1999-2000) of the International and Family Health Admissions Committee

Member of the Peer Review Committee (1996, 2000)

Member (1997-)/Coordinator (2001-2003, 2005) of the Biometry Admissions Committee

Member of the Search Committee for five Biometry Faculty Positions (1998-2004)

Member of the Search Committee for the Biostatistics Director (2006-2008)

Member of the Search Committee for Demography Faculty (2005-2006)

Member of Faculty Council (2004-2006, 2009-)

Member of Academic Council (2006-2008)

Member of Global Health Studies Task Force (2004-)

Member of Six Year Review Committee (2004)

Member of the Search Committee for the Director of Student and Alumni Affairs (2001)

Member of the Student Research Funds Review Committee (2002-2004)

The University of Texas Health Science Center, Center for Clinical and Translational Sciences

Member of Data and Safety Monitoring Boards (2009-)

The University of Texas School of Nursing

Member of the Scientific Committee, Center for Real-time Bio-physiologic Responses in Health and Illness (2000-)

Member of the Search Committee for a Biostatistician (2000-2001).

The University of Texas School of Health Information

Member of the Search Committee for two Computational Biomedicine Faculty Positions (2001)

The University of Texas Medical School

Interviewer of Search Committee for Pediatrics Faculty (2003)

The University of Texas Health Science Center

Member of the Committee for Computational Biomedicine Initiative (2000-2001)

Member, Center for Computational Biomedicine (2001-)

City University of Hong Kong

Associate Member, Centre for Chaos Control and Synchronization (2000-)

American Joint Statistical Meetings, 2003, San Francisco

Session (#300) Chair

First International Conference on Frontiers in Biomedical and Environmental Health Sciences: from Molecular and Systems Biology to Human Diseases, 2006, Wuhan, China

Member of Organizing Committee

**Computer Skills:**

Working knowledge of Windows, UNIX; S-Plus/R, SAS/SUDAAN, MATLAB, EXCEL STATA and FORTRAN, C, PASCAL, BASIC.

IMSL developer (1998-1999)

**Computer Software:**

**Lai D:** IMSL Subroutines for Generalized Autoregressive Conditional Heteroskedastic (GARCH) Models. The subroutines and the documentation are released in C and Fortran version of the IMSL library (3/99), in JMSL (IMSL Technology for JAVA Programmers) (3/02), PV-WAVE (Visual Data Analysis) (6/04) and TS-WAVE (Advanced Time Series Analysis) (6/04).

**Lai D :** Statistical Programs for Marketing Research. These programs were written for the Savitz (Marketing) Research Center (3/94).

**Short Courses Taught:**

January 2004 Data, Models and Decisions at Lingnan College, Sun Yat-Sen University, Guangzhou, China.

June 2004 Statistics and Its Applications at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

December 2004 Introduction to Categorical Data Analysis at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

June 2005 Spatial Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

June 2006 Spatial Statistics at School of Public Health, Xian Jiaotong University, Xian, China.

June 2006 Nonparametric Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

April 2007 Introduction to Biostatistics, Jiangxi University of Finance and Economics, Nanchang, China.

August 2007 Introduction to Biostatistics, HIV/AIDS Prevention Workshop, Ho Chi-Minh City, Vietnam.

June 2008 Sampling Techniques at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

**Seminars Organized:**

Spring 2008 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility

Fall 2007 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility

Spring 2006 PH1998, Current Issues in Biostatistics (Seminar), 80% responsibility

Fall 2005 PH1998, Current Issues in Biostatistics (Seminar), 60% responsibility

Spring 2004 PH1998, Current Issues in Biometry (Seminar), 100% responsibility

Fall 2003 PH1998, Current Issues in Biometry (Seminar), 30% responsibility

Spring 2003 PH1998, Current Issues in Biometry (Seminar), 10% responsibility

Fall 2002 PH1998, Current Issues in Biometry (Seminar), 10% responsibility

Spring 2002 PH1998, Current Issues in Biometry (Seminar), 100% responsibility

**Seminars Organized(Continued):**

Fall 2001 PH1998, Current Issues in Biometry (Seminar), 10% responsibility  
Spring 2000 PH1998, Current Issues in Biometry (Seminar), 100% responsibility  
Fall 1999 PH1998, Current Issues in Biometry (Seminar), 50% responsibility  
Spring 1999 PH1998, Current Issues in Biometry (Seminar), 50% responsibility  
Fall 1998 PH1998, Current Issues in Biometry (Seminar), 50% responsibility

**Courses Taught:**

Fall 2009 PH1960 Time Series Analysis, 100% responsibility  
Fall 2009 PH9998 Thesis Research  
Fall 2009 PH9999 Dissertation Research  
Fall 2009 PH1999 Individual Studies in Biostatistics  
Summer 2009 PH9998 Thesis Research  
Summer 2009 PH9999 Dissertation Research  
Spring 2009 PH1998 Applied Multivariate Analysis, 100% responsibility  
Spring 2009 PH9998 Thesis Research  
Spring 2009 PH9999 Dissertation Research  
Spring 2009 PH9997 Practicum  
Spring 2009 PH1999 Individual Studies in Biostatistics  
Fall 2008 PH1885 Distribution-Free Methods, 100% responsibility  
Fall 2008 PH9998 Thesis Research  
Fall 2008 PH9999 Dissertation Research  
Summer 2008 PH9998 Thesis Research  
Summer 2008 PH9999 Dissertation Research  
Summer 2008 PH1999 Individual Studies in Biostatistics  
Spring 2008 PH1745 Sampling Techniques, 100% responsibility  
Spring 2008 PH1998 Introduction to Computational Systems Biology, 30% responsibility  
Spring 2008 PH9997 Practicum  
Spring 2008 PH9999 Dissertation Research  
Spring 2008 PH1999 Individual Studies in Biostatistics  
Spring 2008 PH9997 Practicum in Public Health  
Fall 2007 PH1960 Time Series Analysis, 100% responsibility  
Fall 2007 PH9999 Dissertation Research  
Summer 2007 PH9998 Thesis Research  
Summer 2007 PH9999 Dissertation Research  
Spring 2007 PH1911 Statistical Theory of Biostatistics II, 100% responsibility  
Spring 2007 PH1831 Survival Analysis, 25% responsibility (Primary Instructor)  
Spring 2007 PH9998 Thesis Research  
Spring 2007 PH9999 Dissertation Research  
Fall 2006 PH1910 Statistical Theory of Biostatistics I, 100% responsibility  
Fall 2006 PH1999 Individual Studies in Biostatistics  
Fall 2006 PH9998 Thesis Research  
Fall 2006 PH9999 Dissertation Research  
Fall 2006 PH9997 Practicum in Public Health  
Fall 2006 PH1725 Intermediate Biometrical Methods I, guest lecturer (1 × 2 hrs)

**Courses Taught**(Continued):

Summer 2006	PH9998	Thesis Research
Summer 2006	PH9999	Dissertation Research
Spring 2006	PH1885	Distribution-Free Methods, 100% responsibility
Spring 2006	PH1998	Introduction to Computational Systems Biology, 25% responsibility
Spring 2006	PH1999	Individual Studies in Biostatistics
Spring 2006	PH5999	Individual Studies in International and Family Health
Spring 2006	PH9998	Thesis Research
Spring 2006	PH9999	Dissertation Research
Spring 2006	PH9997	Practicum in Public Health
Fall 2005	PH1960	Time Series Analysis, 100% responsibility
Fall 2005	PH1999	Individual Studies in Biostatistics
Fall 2005	PH9998	Thesis Research
Fall 2005	PH9997	Practicum in Public Health
Summer 2005	PH9997	Practicum in Public Health
Summer 2005	PH9998	Thesis Research
Spring 2005	PH1998	Introduction to Spatial Statistics, 100% responsibility
Spring 2005	PH1999	Individual Studies in Biostatistics
Spring 2005	PH5999	Individual Studies in International and Family Health
Spring 2005	PH9998	Thesis Research
Spring 2005	PH9999	Dissertation Research
Fall 2004	PH1920	Categorical Data Analysis, 100% responsibility
Fall 2004	PH9999	Dissertation Research
Fall 2004	PH9998	Thesis Research
Fall 2004	PH1999	Individual Studies in Biometry
Fall 2004	PH9997	Practicum in Public Health
Fall 2004	PH1610	Introduction to Biostatistics, guest lecturer (1 × 2 hrs)
Summer 2004	PH5999	Individual Studies in Biometry
Summer 2004	PH9997	Practicum in Public Health
Summer 2004	PH9998	Thesis Research
Summer 2004	PH9999	Dissertation Research
Spring 2004	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2004	PH9998	Thesis Research
Spring 2004	PH9999	Dissertation Research
Fall 2003	PH1960	Time Series Analysis, 100% responsibility
Fall 2003	PH1610	Introduction to Biostatistics, guest lecturer (1 × 2 hrs)
Fall 2003	PH9997	Practicum in Public Health
Fall 2003	PH9998	Thesis Research
Fall 2003	PH9999	Dissertation Research
Summer 2003	PH5999	Individual Studies in Biometry
Summer 2003	PH9998	Thesis Research

**Courses Taught**(Continued):

Spring 2003	Ph1998	Introduction to Spatial Statistics, 100% responsibility
Spring 2003	PH1999	Individual Studies in Biometry
Spring 2003	PH9998	Thesis Research
Spring 2003	PH9997	Practicum in Public Health
Spring 2003	PH9999	Dissertation Research
Fall 2002	PH1920	Categorical Data Analysis, 90% responsibility
Fall 2002	PH5999	Individual Studies in Biometry
Fall 2002	PH9998	Thesis Research
Fall 2002	PH9997	Practicum in Public Health
Summer 2002	PH1999	Individual Studies in Biometry
Summer 2002	PH9998	Thesis Research
Spring 2002	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2002	PH9999	Dissertation Research
Spring 2002	PH9998	Thesis Research
Spring 2002	PH5999	Individual Studies in Biometry
Spring 2002	PH9997	Practicum in Public Health
Fall 2001	PH1960	Time Series Analysis, 100% responsibility
Fall 2001	PH9997	Practicum in Public Health
Fall 2001	PH9999	Dissertation Research
Fall 2001	PH9998	Thesis Research
Fall 2001	PH5999	Individual Studies in Biometry
Summer 2001	PH1999	Individual Studies in Biometry
Summer 2001	PH9999	Dissertation Research
Spring 2001	PH1821	Applied Statistical Methods II, 100% responsibility
Spring 2001	PH9999	Dissertation Research
Spring 2001	PH9998	Thesis Research
Spring 2001	PH1999	Individual Studies in Biometry
Spring 2001	PH5999	Individual Studies in International and Family Health
Fall 2000	PH1998	Introduction to Spatial Statistics, 100% responsibility
Fall 2000	PH1610	Introduction to Biometry, guest lecturer (1 × 2 hrs)
Fall 2000	PH9997	Practicum in Public Health
Fall 2000	PH9999	Dissertation Research
Fall 2000	PH9998	Thesis Research
Summer 2000	PH5999	Individual Studies in Biometry
Summer 2000	PH9997	Practicum in Public Health
Summer 2000	PH9999	Dissertation Research
Summer 2000	PH9998	Thesis Research
Spring 2000	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2000	PH1725	Intermediate Biometrical Methods I, guest lecturer (3 × 2 hrs)
Spring 2000	PH1726	Intermediate Biometrical Methods II, guest lecturer (1 × 2 hrs)
Spring 2000	PH1999	Individual Studies in Biometry
Spring 2000	PH9998	Thesis Research

**Courses Taught**(Continued):

Fall 1999	PH1960	Time Series Analysis, 100% responsibility
Fall 1999	PH9997	Practicum in Public Health
Fall 1999	PH9998	Thesis Research
Summer 1999	PH9997	Practicum in Public Health
Spring 1999	PH1998	Design of Experiments, 100% responsibility
Spring 1999	PH1911	Statistical Theory of Biometry II, guest lecturer (5 × 2 hrs)
Spring 1999	PH5999	Individual Studies in International and Family Health
Spring 1999	PH1999	Individual Studies in Biometry
Spring 1999	PH9997	Practicum in Public Health
Spring 1999	PH9998	Thesis Research
Fall 1998	PH1725	Intermediate Biometrical Methods I, 50% responsibility
Fall 1998	PH1999	Individual Studies in Biometry
Fall 1998	PH5999	Individual Studies in International and Family Health
Fall 1998	PH1960	Time Series Analysis, 100% responsibility
Summer 1998	PH5999	Individual Studies in International and Family Health
Spring 1998	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 1998	PH1726	Intermediate Biometrical Methods II, guest lecturer (1 × 2 hrs)
Spring 1998	PH5999	Individual Studies in International and Family Health
Fall 1997	PH1998	Design of Experiments, 80% responsibility
Spring 1997	PH1960	Time Series Analysis, 100% responsibility
Spring 1997	PH1860	Bioassay, guest lecturer (4 × 1.5 hrs)
Spring 1997	PH1726	Intermediate Biometrical Methods II, guest lecturer (4 × 2 hrs)
Spring 1997	PH1999	Individual Studies in Biometry
Spring 1997	PH5999	Individual Studies in International and Family Health
Fall 1996	PH1998	Design of Experiments, 50% responsibility
Fall 1996	PH1999	Individual Studies in Biometry
Summer 1996	PH1999	Individual Studies in Biometry
Summer 1996	PH9997	Practicum in Public Health
Spring 1996	PH1726	Intermediate Biometrical Methods II, 100% responsibility
Spring 1996	PH1855	Distribution-Free Statistical Methods, 50% responsibility
Fall 1995	PH1725	Intermediate Biometrical Methods I, 50% responsibility
Fall 1995	PH1915	Linear Models I, 50% responsibility
Fall 1995	PH1910	Statistical Theory of Biometry I, guest lecturer (2 × 2 hrs)
Summer 1995	PH1999	Individual Studies in Biometry
Spring 1995	PH1911	Statistical Theory of Biometry II, 50% responsibility
Spring 1995	PH1726	Intermediate Biometrical Methods II, 50% responsibility
Fall 1994	PH1910	Statistical Theory of Biometry I, 50% responsibility
Fall 1994	PH1725	Intermediate Biometrical Methods I, 50% responsibility
(UT Dallas)	Stat2322/4397	Statistical Decision Making, 100% responsibility

**Publications:**

**A. Papers in Refereed Journals:**

1. **Lai D**: Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials. *Statistical Methods and Applications*. In press.
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**C. Other Communications in Journals:**

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**D. Book Chapters:**

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3. Munir MS, Ahmed AH, **Lai D**, Sobash E, Shankar KJ, Stupin IV, Brewer MA, Casscells SW, Bogaev RM, Delgado RM: The Role of Body Temperature and Other Common Variables in Predicting Heart Failure Outcomes. Submitted to *Annals of Internal Medicine*. 6/07.
4. Wei Q, **Lai D**, Cooper S, Frankowski RF: Test for Homogeneity of Odds Ratios Using U-Statistics. Under revision for *Journal of Data Science*. 9/03
5. Sulemana H, Holscher DM, Selwyn BJ, Smolensky MH, Kelder S, **Lai D**: Composition of Snack Foods is Significantly Associated with Body Mass Index (BMI) in a Multi-ethnic Sample of Adolescent Girls. Submitted to *Journal of the American Dietetic Association*. 10/03.
6. Kahan BD, Podbielski J, Schoenberg L, Napoli KL, **Lai D**: Clinical and Pharmacokinetic Impact of Simultaneous vs Spaced Dosing of Cyclosporine and Sirolimus. Submitted to *Transplantation*. 12/03.
7. Sulemana H, Kelder S, Selwyn BJ, Smolensky MH, **Lai D**, Holscher DM: Self-Reported Physical Activity and BMI in Inner City High School Girls. Submitted to *American Journal of Public Health*. 3/04.
8. **Lai D**, Wang YF, Chang KC: Assessing Logistic Regression by Bootstrapping and Monte Carlo Simulation. Submitted to *BMC Medical Research Methodology*. 7/09.
9. **Lai D**, Bai AF, Chang KC, Wei HQ, Luo LQ: Nonparametric Analysis of Shenzhen Stock Market: The Day of the Week Effect. Submitted to *Statistical Papers*. 12/08.
10. **Lai D**: Quantifying the Dynamic Trend of Chinese Handicapped Population. Submitted to *International Journal of Public Health*. 06/09.
11. **Lai D**: Sample Size Determination for Group Sequential Tests under Fractional Brownian Motion. Submitted to *Stochastic Analysis and Applications*. 7/08.
12. Moye LA, **Lai D**, Jing KJ, Baraniuk S, Kwak MJ, Penn MS, Wu CO for the Cardiovascular Cell Therapy Research Network (CCTRN): Combining Dichotomous and Continuous Data in a U-Statistic: Design and Sample Size Implications for Cell Therapy Research. Submitted to *Journal of Nonparametric Statistics*. 11/09.

13. **Lai D**, Hwang LY, Beasley RP: HIV/AIDS Testing at the Ports of Entry in China. Submitted to *Journal of Public Health Policy*. 11/08.
14. **Lai D**, Arif AA, Chang KC and Delclos GL: A Comparative Study of Three Classification Procedures: Asthma of Healthcare Professionals in Texas. Submitted to *BMC Medical Research Methodology*. 09/09
15. Zhang Q, **Lai D**: Fractional Brownian motion and long-term clinical trial recruitment. Submitted to *Journal of Statistical Planning and Inference*. 1/09.
16. **Lai D**, Moye LA, Rahbar MH: Optimal Allocation of Sample Sizes in Multicenter Clinical Trials. Submitted to *Drug Information Journal*. 7/09
17. Willerson JT, Perin EC, Ellis SG, Pepine CJ, Henry TD, Zhao DXM, **Lai D**, Penn MS, Byrne BJ, Silva G, Gee A, Traverse JH, Hatzopoulos AK, Forder JR, Martin D, Kronenberg K, Taylor DA, Cogle CR, Baraniuk S, Westbrook L, Sayre SL, Vojvodic RW, Gordon DJ, Skarlatos SI, Moy LA, Simari RD for the Cardiovascular Cell Therapy Research Network (CCTRN). Submitted to *American Heart Journal*. 09/09.
18. Bi Y, **Lai D**, Yan H: Synthetical Evaluation of Health Promotion Effects of the Health Management Pilot County Project in Western China. Submitted to *Public Health*. 07/09.
19. **Lai D**, Hsu CW, Glasser JH: Controlling Influenza A (H1N1) in China: Bayesian or Frequentist Approach. Submitted to *Journal of Public Health Policy*. 07/09.
20. Zhang Q, **Lai D**: Weighted Error Spending Functions with Applications to Adaptive Group Sequential Trials. Submitted to *Journal of Applied Statistics*. 08/09.
21. Hsu CW, Nkhoma ET, Aoki N, Shang N, **Lai D**. Using Health Informatics Methods to Support Public Health Risk Communication - Temporal and Spatial Analysis of H1N1 Human Infectious Distribution in the US. Submitted to *Eurosurveillance Journal*. 8/09.
22. Zhang Q, **Lai D**: Operating Characteristics for Group Sequential Trials Monitored under Fractional Brownian Motion. Submitted to *Communications in Statistics*. 10/09.
23. Hwang LY, Grimes CZ, Tran TQ, Clark A, Xia R, **Lai D**, Troisi C, Williams M: Accelerated Vaccine Schedule Improves Hepatitis B Vaccination Adherence and Immune Protection Among Drug Users A Randomized Controlled Trial in Urban Communities in Houston, Texas. Submitted to *Journal of Infectious Diseases*. 10/09.
24. The Early Treatment for Retinopathy of Prematurity Cooperative Group. Final Visual Acuity Results in the Early Treatment for Retinopathy of Prematurity Study. Submitted to *Arch Ophthalmol*. 10/2009.

**Manuscripts in Preparation:**

1. Ahmed A, Gondi S, Cox C, Shankar KJ, Munir SM, Stupin IV, Sobash ED, **Lai D**, Brewer A, Wilson JM, Casscells SW: Using Body Temperature Circadian Rhythm Variability as an Early Prognostic Indicator of Decompensation in Cardiomyopathic Hamsters. In preparation.
2. **Lai D**, Moye LA for CCTRN: Sample Size, Power Analysis and Statistical Issues for Cardiovascular Cell Therapy Research Network. In preparation.
3. **Lai D**, Moye LA for CCTRN: Interim Analysis Based on U-statistic. In preparation.
4. **Lai D**: Two-level Dynamic Monitoring of Efficacy and Adverse Events in Clinical Trials. In preparation.
5. **Lai D**, *et al*, Portman R: Comparative Applications of  $T^2$  and a Multivariate Nonparametric Test on Microalbuminuria of Pediatric Diabetes. In preparation.
6. **Lai D**, *et al*, Portman R: Discriminant Analysis of Microalbuminura (MA) in Children with Diabetes Mellitus (DM). In preparation.
7. **Lai D**, Chen G: Statistical Analysis of Chaos and Dynamical Systems: Time Series Approach. Monograph in preparation.
8. Delclos GL, Morandi MT, Stock T, **Lai D**, Abramson SL, Sockrider MT, Hanania N, Lusk C, Bureau K, Afshar M, Maberti S, Tee GP: Oxygenated Urban Air Toxics and Asthma Variability in Middle School Children: A Panel Study. In preparation
9. **Lai D**, Ochoa TJ, Campos M, Chea E, Cleary TG: Statistical Issues in Designing the Clinical Trial of Bovine Lactoferrin Supplementation for Infants on Preventing Diarrhea and Improving Growth. In preparation.
10. **Lai D**: Identification of Catmap Chaos: An Application of Hankel Matrix. In preparation.
11. Bi Y, **Lai D**, Yan H: The Impacts of a UNICEF Health Promotion Promotion in Five Provinces in China. In preparation.

**Unpublished Papers:**

1. **Lai D**: Diffusion Processes and ARCH Models in Option Pricing. 1995.
2. **Lai D**: On the Accuracy of Population Census. 1985.
3. **Lai D**: On the Convergence and Stability of a Numerical Algorithm for Population Projection. 1983.

**Presentations:**

1. “Combining Dichotomous and Continuous Data in a U-statistic: Design and Sample Size Implications for Cell Therapy Research” **Invited Presentation** at the 18th International Chinese Statistical Association Applied Statistics Symposium, San Francisco, California. 6/09.
2. “Handicap-free Life Expectancy in China (1987 and 2006)” Presented at the Global Health Seminar, UT School of Public Health, Houston, Texas. 2/09.
3. “HIV/AIDS Testing at Ports of Entry in China” **Invited presentation** at The CITAR Seminar, UT School of Public Health, Houston, Texas. 2/09.
4. “Handicap-free Life Expectancy in China (1987 and 2006)” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 9/08.
5. “Statistical Properties of Generalized Gini Coefficient with Application to Health Inequality Measurement.” **Invited presentation** at Department of Applied Mathematics, I-Shou University, Kaohsiung, Taiwan, 6/08.
6. “Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data.” **Invited presentation** at Department of Economics, Fo Guang University, Yilan, Taiwan. 6/08.
7. “Biostatistics in the United States: A Personal Perspective.” **Invited presentation** at the Department of Statistics & Information Science, Fu Jen Catholic University, Taipei, Taiwan. 6/08.
8. “Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data.” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 3/08.
9. “Statistical Properties of Generalized Gini Coefficient with Application to Health Inequality Measurement.” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 9/07.
10. “Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials.” **Keynote Speech** at International Conference on Econometrics and Applied Statistics, Nanchang, China, 4/07.
11. “Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials.” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 11/06.
12. “Some Statistical Methods in Toxicology.” **Invited presentation** at The First International Conference on Frontiers in Biomedical and Environmental Health Sciences: From Molecular and Systems Biology to Human Diseases, Wuhan, China. 6/06.

13. "Brownian Motion, Fractional Brownian Motion and Their Applications in Monitoring Clinical Trials." **Invited presentation** at Zhejiang University, College of Medicine, Hangzhou, China. 6/06.
14. "A Systems Biology Course at the University of Texas School of Public Health." **Invited presentation** at Shanghai University, Systems Biology Center, Shanghai, China. 6/06.
15. "The US-Mexico Border Diabetes Survey: Design Based Analysis." **Invited presentation** at CDC Diabetes Program Conference, El Paso, Texas. 4/06.
16. "Conditional Power and Fractional Brownian Motion." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 4/06.
17. "The US-Mexico Border Diabetes Survey: Design Based Analysis." **Invited presentation** at WHO Field Office in El Paso, El Paso, Texas 3/06.
18. "Monitoring the SARS Epidemic in China: A Time Series Analysis." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 11/05.
19. "Spatial Statistics for Public Health." **Invited presentation** at the Department of Public Health, Xian Jiaotong University, Xian, China. 6/05.
20. "Biostatistics in the United States: A Personal Perspective." **Invited presentation** at the Department of Public Health, Xian Jiaotong University, Xian, China. 6/05.
21. "Statistics and Its Applications." **Invited presentation** at the Department of Management Science and Engineering, Nanchang University, Nanchang China. 6/05.
22. "Biostatistics in the United States: A Personal Perspective." **Invited presentation** at the Applied Statistics Center, Renmin University, Beijing, China. 5/05.
23. "Test Spatial Randomness Based on Empirical Distribution Function: A Study on Lattice Data." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 1/05.
24. "Modeling Chronobiological Data: An Introduction to Time Series Analysis." **Invited presentation** at the International Conference of Chronobiology, Haikou, China. 12/04 (Proceedings of the Chinese National Conference of Chronobiology, page 14).
25. "Measuring Health: A Biostatistics Perspective." **Invited presentation** at School of Public Health, Jiangxi Medical College. Nanchang, China. 6/04.
26. "My Experience in Statistics." **Invited presentation** at Jiangxi School of Statistics. Nanchang, China. 6/04.
27. "Empirical Distribution Function and Its Applications in Testing Randomness." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 11/03.

28. "Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999." Presented at the Joint Statistical Meetings, San Francisco, California. 8/03.
29. "Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999." Presented at the international and family health seminar, UT School of Public Health, Houston, Texas. 4/03.
30. "Measuring the Impact of HIV/AIDS, Diseases of Heart and Malignant Neoplasms on Life Expectancy in the United States from 1987 to 1999." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 2/03.
31. "Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999." Presented at the Ninth Biennial Symposium on Statistical Methods. Center for Disease Control and Prevention. Atlanta, Georgia. 1/03.
32. "Noisy Chaotic Time Series: An Introduction." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 9/02.
33. "Biostatistics: An Introduction." **Invited presentation**, UT School of Health Information Sciences, Houston, Texas. 4/02.
34. "Mathematics, Statistics and Biostatistics: Personal Experience of Statistical Work in China and the United States." **Invited presentation**, Department of Statistics, Sun Yat-Sen University, Guangzhou, China. 6/01.
35. "Making a Discrete Dynamical System Chaotic: Theoretical Results and Numerical Simulations." Presented at the computational biomedicine seminar, UT School of Health Information Sciences, Houston, Texas. 3/01.
36. "U-Statistics and Some Applications." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 2/00.
37. "Measuring Health: Life Expectancy, Human Development Index and Statistical Analysis." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 10/99.

38. "Measuring Health: Life Expectancy, Human Development Index and Statistical Analysis." Presented at the monthly seminar of the Houston Area Chapter, American Statistical Association (HACASA), Houston, Texas. 10/99.
39. "Standardized Mortality Ratio and Life Expectancy: A Comparative Study of the Chinese Mortality." Presented at the Joint Statistical Meetings, Baltimore, Maryland. 8/99.
40. "Measuring Health: A Biometric Perspective." Plenary Presentation at the Fifth Faculty Research Symposium. UT School of Public Health, Houston, Texas. 11/98.
41. "Finding Research Topics: A Random Walk." Biometry seminar presentation. UT School of Public Health, Houston, Texas. 10/98.
42. "Potential Gains in Life Expectancy or Years of Potential Life Lost: Impact of Competing Risks of Death." Presented at the Joint Statistical Meetings, Dallas, Texas. 8/98.
43. "GARCH Models." **Invited presentation**, Visual Numerics (IMSL), Houston, Texas. 4/98.
44. "Computing Potential Gains in Life Expectancy and Estimating Lyapunov Exponents." **Invited presentation** for the Ellis B. Stouffer Colloquium, Department of Mathematics, University of Kansas, Lawrence, Kansas. 12/97.
45. "National Account Statistics in the United States and China." **Invited presentation** to senior officials in the Ganzhou Regional Statistical Bureau, Jiangxi, China. 5/97.
46. "The Higher Education System in the United States." **Invited presentation** at Southern Institute of Metallurgy. Jiangxi, China. 5/97.
47. "Schools of Public Health in the United States: A Close Look at the UT School of Public Health." **Invited presentation** to the visiting officials from the Ministry of Public Health of the People's Republic of China, Houston, Texas. 4/97.
48. "Impact of AIDS on Life Expectancy in the United States." Presented at the Joint Statistical Meetings. Chicago, Illinois. 8/96. This presentation was selected by the American Statistical Association for **press release**.

49. "Impact of AIDS on Life Expectancy in the United States." UT School of Public Health Colloquium presentation (with Robert J. Hardy). Houston, Texas. 5/96.
50. "AIDS and Life Expectancy." **Invited seminar presentation** at the Department of Statistics, Texas A & M University, College Station, Texas. 2/96.
51. "Estimating the Lyapunov Exponent from Time Series." Presented at the Ninth Annual Texas Systems Day Conference. Houston, Texas. 10/95.
52. "Application of a Randomly Weighted Spatial Pattern Test in Health Data." Presented at the Joint Statistical Meetings. Orlando, Florida. 8/95.
53. "My education and working experience." Interviews with the Asian Development Bank. Manila, Philippines. 5/95.
54. "Residual Analysis of AR Models on the Canadian Lynx Data." Presented at the Fourth International Conference on Mathematical Population Dynamics. Houston, Texas. 5/95.
55. "Nonlinear Time Series Analysis." Invited presentation at the School of Public Health, University of Texas. Houston, Texas. 5/94.
56. "Teaching Statistics in Public Health." Invited presentation at the El Paso Satellite, School of Public Health, University of Texas. El Paso, Texas. 5/94.
57. "The Economic Activity of the Population: A Comparative Study between Jiangxi Province and Jiangsu Province." Presented at the National Symposium on the 1982 Population Census of China. Chongqing, China. 11/85.
58. "On the Accuracy of Population Census." Presented at the Annual Meeting of the Jiangxi Statistical Association. Nanchang, China. 3/85.
59. "On the Convergence and Stability of a Numerical Algorithm for Population Projection." Presented at the Annual Meeting of the Jiangxi Population Association. Nanchang, China. 1/83.

**Selected Presentations/Abstracts Given by Co-authors:**

1. "The Usefulness of Body Temperature Circadian Rhythm Variation as an Early Predictor of Decompensation in Cardiomyopathic Hamsters." Presented by co-author Amany H. Ahmed at the Annual American College of Cardiology, Orlando, Florida, 03/09.
2. "Interspike Intervals: Relation to Epilepsy Syndrome." Presented by co-author Giridhar Kalamangalam at the Annual Meeting of the American Epilepsy Society, Seattle, 12/08.
3. "The Effect of External Environment on the Predictivity of Body Temperature in Cardiomyopathic Hamster." Presented by co-author Amany H. Ahmed at the Annual Transcatheter Cardiovascular Therapeutics Washington DC, 10/08.
4. "Utility of Continuous Body Temperature Monitoring in Predicting Prognosis in Cardiomyopathic Hamsters." Presented by co-author S. Gondi at the 12th Annual Scientific meeting of the Heart Failure Society of America, Toronto, ON, Canada, 9/08.
5. "Usefulness of Falling Body Temperature for prediction of adverse outcomes in Congestive Heart Failure." Presented by co-author Amany H. Ahmed at 2007 Transcatheter Cardiovascular Therapeutics, Washington DC, 10/07.
6. "Routine Laboratory Variables May Be Used to Predict Imminent Hospitalization in Congestive Heart Failure (CHF) Patients." Presented by co-author Muhammad S. Munir at the XIX World Congress of the ISHR, Bologna, Italy. 6/07.
7. "A Score Method for Comparison of Partial Genomic Regions in Their Representatives of Full-length Genome of Hepatitis E Virus for Genotyping." Presented by co-author Pengcheng Xun at the The Ninth Japan-China Symposium on Statistics, Sapporo, Japan, 09/07.
8. "Predictors of Impulsivity and Reward Seeking Behavior with Dopamine Agonists." Presented by co-author William G. Ondo at The 10th International Congress of Parkinson's Disease and Movement Disorders. Kyoto, Japan. 10/06.
9. "Body Temperature Fall Predicts Increased Mortality and Re-hospitalization in Patients with Congestive Heart Failure." Presented by co-author Amany Ahmed at Transcatheter Cardiovascular Therapeutics, Washington DC, 10/06.
10. "Predictors of Microalbuminuria (MA) in Children with Diabetes Mellitus (DM)." Presented by co-author Ronald Portman at The 2006 Pediatric Academic Societies' Annual Meetings, San Francisco, California. 4/06.

11. "Prevalence of Microalbuminuria (MA) in Children and Adolescents with Diabetes Mellitus (DM) and Rate of Spontaneous Remission (SR)." Presented by co-author Ronald Portman at The 2006 Pediatric Academic Societies' Annual Meetings, San Francisco, California. 4/06.
12. "The Association Between Restless Legs Syndrome and Essential Tremor." Presented by co-author William G. Ondo at The Movement Disorder Society's 9th International Congress of Parkinson's Disease and Movement Disorders, New Orleans, Louisiana. 3/05.
13. "Outcomes of 894 renal allograft recipients treated de novo with a sirolimus-cyclosporine combination and followed for 18 years." Presented by co-author Barry D. Kahan at the XX International Congress of the Transplantation Society, Vienna, Austria. 9/04.
14. "And I hate to sound pessimistic, but THIS IS REALITY: Paradoxical perspectives of low-income elderly women in Medicare." Presented by co-author Dolly A. John at the 131st annual meeting of the American Public Health Association. San Francisco, California. 11/03.
15. "And I hate to sound pessimistic, but THIS IS REALITY: Paradoxical perspectives of low-income elderly women in Medicare." Presented by co-author Dolly A. John at the 4th Annual Health Services and Outcomes Research Conference. Houston, Texas. 11/03.
16. "An Innovative Method to Evaluate Health Inequality." Presented by co-author Jin Huang at the 4th Annual Health Services and Outcomes Research Conference. Houston, Texas. 11/03.
17. "Capturing the Perceptions and Experiences of Low-Income Elderly Women in Medicare: Lessons." Presented by co-author Dolly A. John Academy Health Conference, Houston, Texas, 6/03.
18. "A Simple Method for Evaluating Sample Size in the Houston ATAC (Air Toxics and Asthma in Children) Study." Presented by co-author S. Maberti at the NIOSH NORA Symposium. Washington DC, 6/03.
19. "Reliability and Validity of an Asthma Questionnaire for Healthcare Workers." Presented by co-author G. Delclos at the NIOSH NORA Symposium. Washington DC, 6/03.
20. "Outcomes of 1008 Renal Allograft Recipients Treated with Sirolimus (SRL)/Cyclosporine (CSA) and Followed for 1-10 Years." Presented by co-author Barry D. Kahan at the American Transplant Congress. Washington DC, 6/03.

21. "Substitution of Sirolimus (SRL) for Steroids in Long-term Renal Transplant Recipients Treated with Cyclosporine (CSA)." Presented by co-author Barry D. Kahan at the American Transplant Congress. Washington DC, 6/03.
22. "Improved Outcomes of Renal Transplantation in 122 African-Americans Treated with A Sirolimus-Cyclosporine Regime: Comparison to a Cyclosporine-Prednisone Regimen and to Caucasians. Presented by co-author Hemangshu Podder at the American Transplant Congress. Washington DC, 6/03.
23. "Choice of Follow-Up Time and Risk Estimates for Leukemia and Multiple Myeloma in a Rubber Hydrochloride Cohort." Presented by co-author Sharon Silver at the International Conference of Occupational Health. Iguassu Falls, Brazil. 2/03.
24. "Health Behaviors of Low-Income Elderly Women in Medicare." Presented by co-author Dolly Jones at Health Services & Outcomes Conference, Houston, Texas. 11/02.
25. "Anti-Retroviral Medication Adherence in Anemic Patients with HIV/AIDS." Presented by co-author Abul Sadeque at International AIDS Conference in Barcelona, Spain. 07/02.
26. "Investigating the effects of income inequality, population density and spatial autocorrelation on the all-cause and cancer mortality: A comparison of the State of Texas and Taiwan, 1995-1998." Poster presented by co-author Chiehwen Hsu, a Ph.D. student, at the sixth annual student symposium, UT School of Public Health, Houston, Texas. 4/01.
27. "Prognostic Value of MRI in Spinal Cord Injury." Presented by co-author Pan Narayana at the Annual Meeting of International Society of Magnetic Resonance in Medicine. Glasgow, Scotland, 04/01.
28. "Asymptotic Distribution of Time-Series Intermittency Estimates." Presented by co-author David Bickle at the Joint Statistical Meetings, Indianapolis, Indiana. 8/00.
29. "Feedback Control of the Lyapunov Exponents for Discrete Time Dynamic Systems." Posted at the Dynamics Days Texas. Houston, Texas. 1/96.
30. "Estimating the Lyapunov Exponent from Time Series." Presented at the Ninth Annual Texas Systems Day Conference. Houston, Texas. 10/95.

**Academic Visitors:**

<u>Name</u>	<u>Title</u>	<u>Institute</u>	<u>Duration</u>
Yuxue Bi	Associate Professor of Biostatistics	Xian Jiantong University, China	8/03-11/03
Lingxia Zeng	Lecturer of Biostatistics	Xian Jiantong University, China	3/05-6/05
Yuxue Bi	Associate Professor of Biostatistics	Xian Jiantong University, China	09/08-11/09

**Graduate Student Committees:**

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Jack L. Follis	Biostatistics	Ph.D.	Chair/t	
Xuemei Wang	Biostatistics	Ph.D.	Chair/t	
Jin Young Byun	Biostatistics	Ph.D.	Chair/e	
Wei Qiao	Biostatistics	Ph.D.	Chair/e	
Yufei Wang	Biostatistics	Ph.D.	Chair/e	
Xuemin Gu	Biostatistics	Ph.D.	Chair/e	
Jin Huang	Biostatistics	Ph.D.	Chair/t	
Shenyang Fang	Biostatistics	Ph.D.	Chair/e	P
Yiqun Zhang	Biostatistics	Ph.D.	Chair/e	
Xionghua Wu	Biostatistics	Ph.D.	Chair/e,t	5/07
Jingping Sun	Biostatistics	Ph.D.	Chair/e	
Qiang Zhang	Biostatistics	Ph.D.	Chair/e,t	5/05
Yong J. Mun	Biometry	Ph.D.	Chair/e	5/03
Hyung-Woo Kim	Biostatistics	Ph.D.	Chair/e	P,5/05
Kathleen R. Watson	Biometry	Ph.D.	Chair/e	W
Yue-Peng Li	Biostatistics	Ph.D.	Chair/e	P
John C. Allen	Biostatistics	Ph.D.	Chair/t	8/04
Jin Huang	Biostatistics	Ph.D.	Member/e	P
Suzanne R. Doyle	Biometry	Ph.D.	Member/e	8/01
David Herbert	Biometry	Ph.D.	Member/t	5/99
Hui Zhao	Biometry	Ph.D.	Member/e	P
Xiangjun Gu	Biometry	Ph.D.	Member/e	12/07
Debby D. Luce	Biological Sciences	Ph.D.	Member/t	5/97
Jinying Zhao	Biological Sciences	Ph.D.	Member/e,t	5/05
Michelle R. Dewhurst	Biological Sciences	Ph.D.	Member/e	P
Richard Lo	Environmental Sciences	Ph.D.	Member/e	
Sheryl Maruca	Environmental Sciences	Ph.D.	Member/t	
Li Jiao	Environmental Sciences	Ph.D.	Member/e,t	8/04
Xing Zhou	Environmental Sciences	Ph.D.	Member/e	
Silvia M. Maberti	Environmental Sciences	Ph.D.	Member/e	5/05
Hung N. Luu	Epidemiology	Ph.D.	Member/e	
Kristina M. Walker	Epidemiology	Ph.D.	Member/t	
Byron Oujesky	Epidemiology	Ph.D.	Member/t	
Thanh Q. Tran	Epidemiology	Ph.D.	Member/t	5/08
Allison J. Ottenbacher	Epidemiology	Ph.D.	Member/e	
David B. Huang	Epidemiology	Ph.D.	Member/e	P,8/05
Matthew C. Mireles	Epidemiology	Ph.D.	Member/e	P,8/04
Eva Shipp	Epidemiology	Ph.D.	Member/e	P,8/05
Habiba Suleman	Epidemiology	Ph.D.	Member/t	05/03
Hua Zhao	Epidemiology	Ph.D.	Member/e	P,8/03
Chiehwen E. Hsu	Management and Policy Study	Ph.D.	Member/e,t	8/01

**Graduate Student Committees:**

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Gangduo Wang	Biostatistics	M.S.	Chair	
Fei Jiang	Biostatistics	M.S.	Chair	
Yufei Wang	Biostatistics	M.S.	Chair/a,t	8/06
James Lynch	Biostatistics	M.S.	Chair/a,t	
Kevin Garey	Biostatistics	M.S.	Chair/a,t	5/07
Tao Zhang	Biostatistics	M.S.	Chair	
Jingping Sun	Biostatistics	M.S.	Chair	P
Hui Liu	Biometry	M.S.	Chair/a,t	8/05
Shenyang Fang	Biometry	M.S.	Chair/a,t	8/04
Lawrence Levy	Biometry	M.S.	Chair/a,t	8/04
Meng-Fen Wu	Biometry	M.S.	Chair/a,t	5/03
Qi Wei	Biometry	M.S.	Chair/a,t	12/01
Jin Huang	Biometry	M.S.	Chair/a,t	8/03
Mei Lu	Biometry	M.S.	Chair/a	12/04
Saeed Payvar	Biostatistics	M.S.	Chair/a,t	8/05
Kai Yan	Biostatistics	M.S.	Member	5/08
Degang Wang	Biostatistics	M.S.	Member	12/08
Lee Cheng	Biostatistics	M.S.	Member	
Rita Weathers	Biostatistics	M.S.	Member	5/07
Yongquan Dong	Biostatistics	M.S.	Member	8/07
Yan Zhang	Biostatistics	M.S.	Member	5/07
Rui Xia	Biostatistics	M.S.	Member	9/07
Kai Sun	Biostatistics	M.S.	Member	8/06
Hui Zhao	Biometry	M.S.	Member	P
Fengwei Zhong	Biometry	M.S.	Member	5/04
Bonnie Meadows	Biometry	M.S.	Member	12/04
Carol G. Rochester	Biometry	M.S.	Member	5/98
Kathleen R. Watson	Biometry	M.S.	Member	12/97
Hui Liu	Environmental Sciences	M.S.	Member	8/97
Guozhen Ma	Environmental Sciences	M.S.	Member	5/97
Xiaobing Wu	Environmental Sciences	M.S.	Member	8/97
Douglas Niemtschk	Environmental Sciences	M.S.	Member	12/96
Amber L. Williams	Epidemiology	M.S.	Member	05/08
Sharon Silver	Epidemiology	M.S.	Member	12/01
Ming Teng	Epidemiology	M.S.	Member	5/97
Marina Gorbora	Epidemiology	M.S.	Member	8/00
Matthew D. Feist	Epidemiology	M.S.	Member	5/00
Robert E. Hanson	Epidemiology	M.S.	Member	8/97
Hui Zhao	Epidemiology	M.S.	Member	5/99
Hong Guo	Epidemiology	M.S.	Member	5/99
Shouming Kong	Epidemiology	M.S.	Member	12/00
Elizabeth E. Sablotne	Epidemiology	M.S.	Member	12/06

**Graduate Student Committees:**

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Coreen Domingo	International and Family Health	Dr.P.H.	Chair/t	
Syed Shah	International and Family Health	Dr.P.H.	Chair/e	W
Qiang Zhang	International and Family Health	Dr.P.H.	Chair/e	W
Steve Hwong Wei	International and Family Health	M.P.H.	Chair/a	12/06
Lisa R. Inchani	International and Family Health	M.P.H.	Chair/a,t	12/06
Ami P. Shah	International and Family Health	M.P.H.	Chair/a	5/06
Consuelo M. Ramirez	International and Family Health	M.P.H.	Chair/a,t	8/06
Mei Yuan Chen Huang	International and Family Health	M.P.H.	Chair/a	8/04
Reza Alizadeh-Naderi	International and Family Health	M.P.H.	Chair/a	5/03
Rohit R. Das	International and Family Health	M.P.H.	Chair/a,t	8/03
Karim Kohil	International and Family Health	M.P.H.	Chair/a	5/02
Carolyn Bachino	International and Family Health	M.P.H.	Chair/a	5/02
Abul K. Sadeque	International and Family Health	M.P.H.	Chair/a	12/01
Lan Li	International and Family Health	M.P.H.	Chair	W
Sokchea L. Yim	International and Family Health	M.P.H.	Chair/a	5/01
Mary L. Quincey	International and Family Health	M.P.H.	Chair	W
Maria Hoang	International and Family Health	M.P.H.	Chair/a	5/05
Courtney L. Barr	International and Family Health	M.P.H.	Chair	W
Karen K. Chang	International and Family Health	M.P.H.	Chair	W
Nelson Gonzalez	International and Family Health	M.P.H.	Chair/a	5/00
James C.C. King	International and Family Health	M.P.H.	Chair	W
Qiang Zhang	International and Family Health	M.P.H.	Chair/a	12/99
Dolly A. John	International and Family Health	M.P.H.	Chair/a,t	8/02
Priya Balasubramanian	International and Family Health	M.P.H.	Chair	W
Judy Chi	International and Family Health	M.P.H.	Chair/a,t	5/99
Adam H. Kinsey	International and Family Health	M.P.H.	Chair	W
Cuijiung S. Yeh	International and Family Health	M.P.H.	Chair/a	8/97
Max E. Otiniano	International and Family Health	M.P.H.	Chair/a	5/00
Ashu Kumar	International and Family Health	M.P.H.	Chair/a	8/98
Himagouri Nidamarthy	International and Family Health	M.P.H.	Chair/a	5/02
David B. Huang	International and Family Health	M.P.H.	Member	12/01
Aijaz A. Khowaja	International and Family Health	M.P.H.	Member	8/05

**Graduate Student Committees:**

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
April L. Clark	Disease Control	Dr.P.H.	Member/e,t	5/08
Muhadditha Mehdi	Disease Control	Dr.P.H.	Member/t	8/02
Damon J. Vidrive	Disease Control	Dr.P.H.	Member/t	8/02
Allison P. Edwards	Health Service Organization	Dr.P.H..	Member/t	5/06
Sue Iha	Occupational/Environmental Health	Dr.P.H.	Member/t	W
Jose Horacio Tovalin	Occupational/Environmental Health	Dr.P.H.	Member/t	08/03
Karolina E. Murguia	Community Health Practice	M.P.H.	Member	
Matthew L. Stone	Community Health Practice	M.P.H.	Member	12/01
Elizabeth A. Nelson	Community Health Practice	M.P.H.	Member	12/01
Cherie A. Torres-Silva	Community Health Practice	M.P.H.	Member	12/03
Damon J. Vidrine	Disease Control	M.P.H.	Member	P
Kiran Motaparathi	Health Service Organization	M.P.H.	Member	
Stephanie C. Moses	Health Service Organization	M.P.H.	Member	
Joan E. Weser	Health Service Organization	M.P.H.	Member	
Anthony Stem	Health Service Organization	M.P.H.	Member	5/07
Kevin A. Grimes	Health Service Organization	M.P.H.	Member	12/07
Sandra L. Solowieiczuk	Health Service Organization	M.P.H.	Member	
Michelle M. Sheffield	Health Service Organization	M.P.H.	Member	
Bethany Gingera	Health Promotion/Health Education	M.P.H.	Member	
Cristina Barroso	Health Promotion/Health Education	M.P.H.	Member	5/98
Lynne Hester	Health Promotion/Health Education	M.P.H.	Member	5/97
Linda N. Young	Health Promotion/Health Education	M.P.H.	Member	W
Janet M. Sterner	Health Promotion/Health Education	M.P.H.	Member	8/00
Wendy G. Key	Occupational/Environmental Health	M.P.H.	Member	P
Yuling Chen	Occupational/Environmental Health	M.P.H.	Member	8/00

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