

CURRICULUM VITAE

JIANWEN CAI

Business Address:

Department of Biostatistics, CB # 7420
The University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7420
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Education:

1992 - Ph.D. (Biostatistics), University of Washington, Seattle, Washington.
1989 - M.S. (Biostatistics), University of Washington, Seattle, Washington.
1985 - B.S. (Mathematics), Shandong University, Jinan, P. R. China.

Positions:

Cary C. Boshamer Distinguished Professor:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2015-present.
Interim Chair:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2016 - present.
Vice Chair:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2012-2016.
Co-Interim Director:	Collaborative Studies Coordinating Center (CSCC), Department of Biostatistics, University of North Carolina at Chapel Hill,	2011-2012.
Associate Chair:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2006-2012.
Interim Chair:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2006.
Professor:	Department of Biostatistics, University of North Carolina at Chapel Hill,	2004 - 2015.

Associate Professor:	Department of Biostatistics, University of North Carolina at Chapel Hill,	1999 - 2004.
Assistant Professor:	Department of Biostatistics, University of North Carolina at Chapel Hill,	1992 - 1999.
Research Associate:	Fred Hutchinson Cancer Research Center,	1992 - 1992.
Research Assistant:	Cardiovascular Health Study, University of Washington,	1988 - 1990.
	Fred Hutchinson Cancer Research Center,	1990 - 1992.
Teaching Assistant:	Department of Biostatistics, University of Washington,	1988 - 1990.

Professional Societies:

American Statistical Association (ASA)
 International Biometric Society (ENAR)
 Institute of Mathematical Statistics (IMS)
 International Chinese Statistical Association (ICSA, life time member)

Research Interests:

Survival Analysis and Regression Models, Design and Analysis of Clinical Trials,
 Analysis of Correlated Responses, Case-Cohort Study Design, Epidemiological Models,
 Cardiovascular Disease Research, Dental Research, Geriatric Research,
 Disease Prevention Research, Hispanic/Latino Health, Obesity Research.

Awards/Honors:

UNC School of Public Health McGavran Award for Excellence in Teaching, 2004
 American Statistical Association Fellow, 2005
 Elected member of Delta Omega honorary public health society, 2008
 Institute of Mathematical Statistics Fellow, 2009.

Professional Service:

Associate Editor: Biometrics: 2000-2016.
 Lifetime Data Analysis: 2002-.

Statistics in Biosciences: 2009-
 Journal of the American Statistical Association (A&C): 2012-.

Board Member: ENAR Regional Advisory Board, 1996-1998.
 ENAR Regional Committee (RECOM), 2008-2010.
 ICSA Board Member, 2009-2011.

Treasurer/Secretary: ASA Biometrics Section, 2007-2008

Chair Elect/Chair
 /Past Chair: ASA Biometrics Section, 2012-2014

President Elect/President
 /Past President: ENAR, 2015-2017

Member: ENAR Student Travel Award Committee, 2001, 2005-2008
 ASA Committee on International Relations, 2007-2009
 ASA Samuel S. Wilks Memorial Medal Committee, 2012-2014
 COPSS FN David Award Committee, 2012-2016 (Chair, 2015)
 ASA Biometrics Section Byar Award Committee, 2011-2014
 Committee of Presidents of Statistical Societies, 2015-2017

General
 Methodology Chair: 2006 Joint Statistical Meetings Program Committee, JSM.

Program Committee
 Member: First Joint Biostatistics Symposium in China, 2010
 Second Joint Biostatistics Symposium in China, 2012
 Third Joint Biostatistics Symposium in China, 2014
 Fourth Joint Biostatistics Symposium in China, 2016
 10th ICSA International Conference, 2016

Organizer: Invited Session in 2004 Joint Statistical Meetings
 Invited Session in 2004 ICSA Applied Symposium
 Invited Session in 2005 ENAR meeting
 Invited Session in 2009 ICSA Applied Symposium

Organizing Committee
 Chair for Symposium: Emerging Methodological Issues in Population-based
 Chronic Disease Research, Seattle, 2011

Referee:

Annals of Statistics
Biometrics
Biometrika
Biostatistics
Communication in Statistics
Computational Statistics and Data Analysis
Controlled Clinical Trials
Epidemiology
International Journal of Epidemiology
Journal of American Statistical Association
Journal of Biopharmaceutical Statistics
Journal of Multivariate Analysis
Journal of Nonparametric Statistics
Journal of Royal Statistical Society, Series B
Journal of Statistical Computation and Simulation
Journal of Statistical Planning and Inference
Lifetime Data Analysis
Nonlinearity in Biology, Toxicology and Medicine
Psychological Methods
Scandinavian Journal of Statistics
Statistics in Biopharmaceutical Research
Statistics in Medicine
Statistical Sinica

Reviewer: National Science Foundation, 1998, 2002, 2004
Research Grant Council (RGC) of Hong Kong 2012
The Daniel Shiran Memorial Research Prize, Israel, 2009, 2013

Member: NIH Statistics Study Section, October 1998
NIH MBRS Review Panel, October 2002
NIH MBRS Review Panel, February 2004
NIH Epidemiology of Cancer (EPIC) Study Section,
March and October 2006, October 2007, October 2008
NIH Epidemiology of Cancer (EPIC) Study Section,
regular member, 2009-2013
Protocol Review Committee (PRC) for the NIH Heart Failure Network
DSMB for the HT Cervix trial, 2007-present
Women's Health Initiative OSMB, 2011-2014

Courses Taught:

Bios 107: “Matrix Theory in Biostatistics”, Summer, 1993 and 1994.
Bios 180: “Introductory Survival Analysis”, Fall, 1993-1995; Spring 1997-2004.
Bios 262/762: “Advance Linear Models I”, Fall, 2005-2009.
Bios 342: “Practice in Statistical Consulting”, Fall, 1994; Spring and Fall, 1996; Fall 2000, 2002.
Bios 390/994: “Research in Biostatistics”, Spring, 1994; Spring and Fall, 1997-2017.
Bios 600: “Principles of Statistical Inference”, Fall, 2015.
Bios 780: “Theory & Methods for Survival Analysis”, Spring 2011, 2012, Fall, 2013, 2014.

Principal Investigator on Grants/Contracts:

- HHSN268200625233C, National Heart, Lung and Blood Institute, Hispanic Community Health Study: Coordinating Center, 2011-2013.
- HHSN2682013000011, National Heart, Lung and Blood Institute, Hispanic Community Health Study: Coordinating Center, 2013-2019.
- 1 P01 CA142538-01, project 1 leader, 2010-2015.
- 5 R01 HL-57444, NIH, Competing renewal for R01 HL-57444, 2007-2012, total cost \$865,637.
- 2 R01 HL-57444, NIH, Competing renewal for R29 HL-57444, 2002-2007, total cost \$429,728.
- 1 R01 HL-69720, NIH, Semi-parametric Methods for Multivariate Survival Data, 2001-2006, total cost \$1,164,000.
- 1 R29 HL-57444, NIH, Statistical Problems in Multivariate Survival Analysis, 1997-2001, total cost \$496,725.
- UNC Research Council Award, Statistical Methods for Analyzing Recurrent Events Data, 2000 - 2002, \$4,000.
- UNC Junior Faculty Development Award, Statistical Methods for Analyzing Censored Multivariate Survival Data, 1994, \$3,000.
- UNC Research Council Award, Estimating Equations for Correlated Failure Time Data, 1993 - 1995, \$1,500.

Co-Investigator/Statistician on Grants/Contracts:

- 5 R01 HL111659-04 (PI: Ataga), 1/1/2012-12/31/16 National Heart, Lung and Blood Institute, Endothelial Dysfunction in the Pathogenesis of Sickle Cell Nephropathy.
- 5 U01 HL117659-02 (PI: Ataga), 8/15/2013-5/31/18 National Heart, Lung and Blood Institute, Targeted Anticoagulant Therapy for Sickle Cell Disease.

- 8 UL1 TR000083-05 (PI: Runge), 5/19/2008-4/30/14, National Center for Research Resources, UNC Clinical Translation Science Award - Biostatistics Core.
- 5 U01 HL103561-03 (PI: Stevens), 9/1/2010-4/30/17, National Heart, Lung and Blood Institute, Childhood Obesity Prevention and Treatment Research Coordinating Unit.
- 1 R01 DK097046-02 (PI: Stevens), 1/1/2014-12/31/15, National Institute of Diabetes and Digestive and Kidney, Percent Body Fat Equations for the United States Population.
- John A. Hartford Foundation (PI: Busby-Whitehead), 9/16/2011-6/30/14, Utility of Home Visits to Reduce Costs and Readmission Rates: A Database Study.
- American Federation for Aging Research (PI: Busby-Whitehead), 7/1/2013-6/30/14, John A. Hartford Foundation's Center of Excellence in Geriatric Medicine and Training
- 5 R21 HL097374-02 (PI: Stevens), 4/1/2010-4/30/13, National Heart, Lung and Blood Institute, State-level Policies, Demographics and Behaviors Associated with Youth Obesity.
- P3004209 (PI: Ammerman), 11/1/2007-4/30/10, W.K. Kellogg Foundation, Evaluation of the National Farm to School Network.
- 5 RC1 HL099429-02 (PI: Stevens), 9/30/2009-7/31/12, National Heart, Lung and Blood Institute, Weight-Related Measures and CVD in African American and White Adults.
- S3521-24/26 (PI: Goeppinger), 10/1/2005-6/30/09, Assoc/Schools of Public Health, Arthritis Self Management Education - Dose Response.
- 1 ULI RR025747-01, National Center for Research Resources, UNC Clinical Translation Science Award-Biostatistics Core (A. Pisano, P.I.), 2008-2013.
- Lance Armstrong Foundation, Quality of Life Among African-American Head and Neck Cancer Survivors (A. Olshan, P.I.), 2007-2010.
- 5 R21 CA125735-02, National Cancer Institute, Development of a tool to measure food availability in the home (J. Stevens, P.I.), 2006-2009.
- 5 R01 HD050981-03, National Institute of Child Health, Primary Care and Communities Tackling Obesity in Kids (A. Ammerman, P.I.), 2005-2010.
- 5 U48 DP000059-05, Centers for Disease Control, UNC Center for Health Promotion and Disease Prevention-Biostatistical Support Unit (A. Ammerman, P.I.), 2004-2009.
- 5 R01 DP000102-03, National Center for Chronic Disease Prevention and Health Promotion, Interventions to Control Obesity in Community Colleges, (L. Linnan, P.I.), 2004-2008.

- 5U48 DP0000059-05, National Center for Chronic Disease Prevention and Health Promotion, Increasing CRC Screening in Urban African American Communities via Churches, (M. Campbell, P.I.), 2006-2009.
- 1 R21 HL089422-01, NIH, Environmental Determinants of Sleep Disturbance: Role of Ambient Air Pollution (J.C. Chen, P.I.), 2007-2009.
- R03 AG022062-01, NIH, Obesity, diet and functional health in African-Americans (J. Stevens, P.I.), 2003-2005.
- PA-03-015, NIH, Weight Loss and CVD Risk Factors (J. Stevens, P.I.), 2004-2006.
- 3 P30 DK 056350-05S2, NIH/NIDDK, Obesity in Asians (J. Stevens, P.I.), 2004-2011.
- R03 AG022353-01, NIH, Obesity in early and middle adulthood and retirement (J. Stevens, P.I.), 2003-2006.
- R01 DE-13807, NIH, Endodontic Inflammation and Cardiovascular Outcomes (D. Caplan, P.I.), 2001-2003.
- SIP 9, CDC, Fitness, Fatness and Mortality (J. Stevens, P.I.), 2000-2003.
- American Heart Association, Fat Patterning and Intima-Media Thickness Change (J. Stevens, P.I.), 2000-2001.
- N01 HV-59224, NIH, International Component for the Collaborative Studies Coordinating Center (C.E. Davis, P.I.), 1996-2001.
- HL-07773, Statistical Aspects of CVD Clinical Trials (C.E. Davis, P.I.), 1995-2000.
- Electric Power Research Institute, Study on Electric Utility Workers (D. Savitz, P.I.), 1999.
- R01 DK-50776, NIH, The Impact of Age on Optimal Body Weight (J. Stevens, P.I.), 1995-1999.
- Laboratories Fournier, The Diabetes and Atherosclerosis Intervention Study (C.E. Davis, P.I.), 1993-1996.
- HC-55015, NIH, Atherosclerosis Risk in Communities (L.E. Chambless, P.I.), 1992-1996.

Student Advisory/Co-Advisory:

Doctoral:

- Yinghao Pan (PhD): “Secondary Analysis in Outcome-Dependent-Sampling Designs”, Department of Biostatistics, 2015 – 2017. (co-advisor with H. Zhou)

- Yu Deng (PhD): “Generalized Change-Point Hazard Models with Censored Data”, Department of Biostatistics, 2013 – 2016. (co-advisor with D. Zeng)
- Ai (Andy) Ni (PhD): “Variable Selection for Case-Cohort Studies with Failure Time Outcome”, Department of Biostatistics, 2012 – 2015.
2014 ENAR Student Travel Award winner.
2015 ASA Epidemiology Section Student Paper Award winner.
First job: Assistant Member at Memorial Sloan Kettering Cancer Center
- Fang-Shu Ou (PhD): “Quantile Regression Models for Interval-censored Failure Time Data”, Department of Biostatistics, 2012 – 2015. (co-advisor with D. Zeng)
2014 ENAR Student Travel Award winner.
2015 ENAR Poster Award winner.
First job: Assistant Professor at Mayo Clinic
- Hongtao Zhang (PhD): “Statistical Methods for Correlated Data from Observational Studies”, Department of Biostatistics, 2011 – 2015. (co-advisor with H. Zhou)
First Job: AbbVie Pharmaceutical Research and Development
- Hana Lee (PhD): “Marginal Structural Cox Models with Case-cohort Sampling”, Department of Biostatistics, 2011 – 2013. (co-advisor with M. Hudgens)
First job: Tenure track assistant professor at Brown University.
- Naomi Brownstein (PhD): “Analysis of Time-to-Event Data, Intermediate Phenotypes, and Sparse Factors in the OPPERA Study”, Department of Biostatistics, 2011 – 2013. (co-advisor with E. Bair)
First job: postdoc fellow at National High Magnetic Field Laboratory, Florida State University
- SoYoung Kim (Ph.D): “More efficient estimators for case-cohort studies with univariate and multivariate failure times” Department of Biostatistics, 2010 – 2013.
2012 ASA Biometrics Section Student Paper Award winner.
First job: postdoc fellow at Fred Hutchison Cancer Research Center
- Shankar Viswanathan (DrPH): “Statistical Methods for Recurrent Events Data in the Presence of a Terminal Event and Missing Covariate Information”, Department of Biostatistics, 2005 – 2011.
First job: assistant professor at Albert Einstein College of Medicine

- Jaeun Choi (Ph.D): “Statistical Methods for Joint Analysis of Survival Time and Longitudinal Data”, Department of Biostatistics, 2006 – 2011. (co-advisor with Dr. D. Zeng)

2010 ASA Biometrics Section Student Paper Award winner.

First job: postdoc fellow at Harvard University
- Xiaoyan Wang (PhD): “Semiparametric Regression Model for Recurrent and Terminal Event Data”, Department of Biostatistics, 2004 – 2010. (co-advisor with Dr. H. Zhou)

First job: Senior Statistician at the University of California - Los Angeles
- Sangwook Kang (Ph.D): “Statistical Methods for Case-Control and Case-Cohort Studies with Possibly Correlated Failure Time Data”, Department of Biostatistics, 2004 – 2007.

First Job: tenure track Assistant Professor in the Department of Epidemiology and Biostatistics at the University of Georgia.
- Leila Amorim (DrPH): “Estimating Time-Varying Treatment Effect for Recurrent Childhood Diseases”, Department of Biostatistics, 2003 – 2006. (co-advisor with Dr. D. Zeng)

First job: Assistant Professor at Universidade Federal da Bahia
- Guosheng Yin (Ph.D): “Quantile Inference, Regression and Additive Hazards Models in Multivariate Survival Analysis”, Department of Biostatistics, 2001 – 2003.

2003 ENAR Student Travel Award winner.

2002 R.L. Anderson Student Travel Award winner.

First Job: tenure track Assistant Professor in the Department of Biostatistics at the MD Anderson Cancer Center, Houston, TX.
- Lan Kong (Ph.D): “Analysis of Failure Time Data from Case-Cohort Studies with Semiparametric Transformation Models”, Department of Biostatistics, 2000 – 2003. (co-advisor with Dr. P.K. Sen)

First Job: tenure track Assistant Professor in the Department of Biostatistics at the University of Pittsburgh.
- Doug Schaubel (Ph.D): “Semiparametric Rate and Hazard Regression Methods for Sequentially Ordered Multivariate Failure Time Data”, Department of Biostatistics, 2000 – 2002.

2003 School of Public Health’s *Bernard G. Greenberg Award* winner

2003 Biostatistics *Barry H. Margolin Award* for Excellence in Doctoral Research winner

2002 ENAR Student Travel Award winner.

2002 ASA (Health Policy Statistical Section) Student Paper Competition winner.

First Job: tenure track Assistant Professor in the Department of Biostatistics at the University of Michigan.

- Jane Monaco (DrPH): “Bootstrap Analysis of Multivariate Failure-Time Data”, Department of Biostatistics, 2000 – 2003. (co-advisor with Dr. J. Grizzle)

First Job: Clinical Assistant Professor in the Department of Biostatistics at the University of North Carolina at Chapel Hill.

- Rosalie C. Dominik (DrPH): “Statistical Methods for Emergency Contraception”, Department of Biostatistics, 1997 – 2000. (co-advisor with Dr. H. Zhou).

2001 School of Public Health’s *Bernard G. Greenberg Award* winner;

2001 Biostatistics *Barry H. Margolin Award* for Excellence in Doctoral Research winner

First Job: Director of Biostatistics at Family Health International, Research Triangle Park, NC.

- Dina M. Schreinemachers (DrPH): “Multistat Survival Analysis”, Department of Biostatistics, 1996 – 1998. (co-advisor with Dr. C.E. Davis).

First Job: Health Scientist at US EPA, Research Triangle Park, NC.

- Wendy F. Greene (Ph.D): “Measurement Error in Multivariate Survival Analysis”, Department of Biostatistics, 1998 – 2000.

2001 ENAR Student Travel Award winner.

First Job: Senior Biostatistician at Rho, Inc, Chapel Hill, NC.

- Ming Zhong (Ph.D): “Correcting Measurement Error in Cox Proportional Hazard Model”, Department of Biostatistics, 1994 – 2000. (co-advisor with Dr. P.K. Sen).

1996 ENAR Student Travel Award winner.

First Job: Senior Statistician at ALZA Corp, Mountain View, CA.

- Limin X. Clegg (Ph.D): “Marginal Approach to Multivariate Failure Time Data with Generalized Dependence Structure”, Department of Biostatistics, 1995 – 1997. (co-advisor with Dr. P.K. Sen).

1998 Biostatistics *Barry H. Margolin Award* for Excellence in Doctoral Research winner

1998 ENAR Student Travel Award winner.

First job: Mathematical Statistician at National Cancer Institute of NIH.

- Adane Wogu (PhD). Department of Biostatistics, 2015 – present. (co-advisor with D. Zeng)

- Poulami Maitra (PhD). Department of Biostatistics, 2015 – present.

Master:

- Xiaojun Wang (MS): “Mortality for Construction Workers in North Carolina”, Department of Biostatistics, 1997.
- Hongyan Zhang (MS): “Comparison of Statistical Methods for Analyzing Stratified Case-Cohort Data with Binary Response through Simulation Studies”, Department of Biostatistics, 1997.
- Dominic Moore (MPH): “Comparison of Statistical Methods for Analyzing Survival Data with Missing Covariate”, Department of Biostatistics, 1997 – 1998.
- Michelle Pritchard (MS): “Small Sample Properties for the Kaplan-Meier Estimator for Correlated Failure Time Data”, Department of Biostatistics, 1998 — 1999.
- Brian Neelon (MS): “A Bootstrap Variance Estimator for Marginal Failure Time Models”, Department of Biostatistics, 1998 – 1999.
- Xiang Qin (MS): “Rate Ratio Estimation Using Parametric Proportional Hazards Model in Case-Cohort Design”, Department of Biostatistics, 1998 – 1999.
- Hong Liu (MS): “Small Sample Properties for Logrank Test for Correlated Failure Time Data”, Department of Biostatistics, 1999 – 2000.
- Yan Fang (MS): “Does Excluding the First Few Years of Death Eliminate the U-shaped Relationship Between BMI and Mortality?”, Department of Biostatistics, 1999 — 2000.
- Yawei Zhang (MS): “Comparison of Proportional Hazards and Poisson Models Using Simulated Data”, Department of Biostatistics, 2001.
- Hongjian Li (MS): “General Linear Mixed Model for Correlated Failure Time Data”, Department of Biostatistics, 2002.
- Hyunsook Chin (MS): “Analysis of Recurrent Relapses for Patients with ANCA-associated Vasculitis”, Department of Biostatistics, 2004.
- Junyuan Xiong (MS): “Comparison of Estimates for Probability, Relative Risk, and Risk Difference Based on Logistic, Poisson, Log-binomial and Binomial Models”, Department of Biostatistics, 2005 - 2006.
- Zhaowei Hua (MS): “Comparison of Cure Rate Models”, Department of Biostatistics, 2006 - 2007.
- Che-Chin Lie (MS): “Differentiating Tumor Malignancy using Vessel Attributes: a Case Study with Brain Image Data”, Department of Biostatistics, 2008. (co-advisor with Dr. D. Zeng)
- Naomi Brownstein (MS): “Tests of Trend between Disease Outcomes & Ordinal Covariates”, Department of Biostatistics, 2009-2010.
Biostatistics 2011 Best Master’s paper award.

- Andrew Peng (MS): “Correcting for Informative Censoring in a Schizophrenia Study with IPCW Log-Rank Tests”, Department of Biostatistics, 2010-2011. (co-advisor with Dr. R. Dominik)
- Xin Zhou (MS): “Practical use of Inverse Probability of Censoring Weighted (IPCW) methods to correct for informative censorship”, Department of Biostatistics, 2011-2013. (co-advisor with Dr. R. Dominik)
- Yu Deng (MS): “Empirical comparison of small sample performance for logrank test and resampling methods with high censoring rate”, Department of Biostatistics, 2011-2013.

Dissertation Committees:

BIOS Doctoral:

- Ralph A. DeMasi (Ph.D): “Analogues of Proportional Hazards Models for Multivariate Failure Time Data with Generalized Competing Risks”, Department of Biostatistics, 1993 – 1994.
- Sergio R. Munoz (Ph.D): “Group Sequential Methods for Clustered Survival Data in Clinical Trials: a Proposed Analytic Method”, Department of Biostatistics, 1993 – 1994.
- Chin-Hua Wang (Ph.D): “Time Dependent Covariates for Survival Analysis”, Department of Biostatistics, 1994 – 1995.
- Hany Zayed (Ph.D): “Robustness of Rank Correlations”, Department of Biostatistics, 1994 – 1996.
- Hsiao-Chuan Tien (Ph.D): “Association Patterns in Bivariate Survival Models with Interval Censoring”, Department of Biostatistics, 1997 – 1998.
- Karen L. Kesler (Ph.D): “Robust Methods for Multivariate Failure Time Models in the Presence of Nonproportional Hazards and Informative Cluster Size”, Department of Biostatistics, 1998 – 2000.
- James Edward MacDougall (Ph.D): “Nonparametric Rank-based Analysis of Longitudinal Data”, Department of Biostatistics, 1999.
- Michael Pennell (Ph.D): “Improved methods for Bayesian multiple event time analysis”, Department of Biostatistics, 2003 – 2006.
- Yueh-Yun Chi (Ph.D): “Methods for Jointly Modeling Longitudinal and Survival Outcomes”, Department of Biostatistics, 2004 – 2005.
- Qingxia Chen (Ph.D): “Theory and Inference for Parametric and Semiparametric Methods in Missing Data Problems”, Department of Biostatistics, 2004 – 2005.

- Eunhee Kim (Ph.D). Department of Biostatistics, 2006 – 2009.
- Yimei Li (Ph.D). Department of Biostatistics, 2008 – 2009.
- Bingqing Zhou (Ph.D). Department of Biostatistics, 2008 – 2010.
- Dustin Long (PhD). Department of Biostatistics, 2011 – 2012.
- Ruoqing Zhu (PhD). Department of Biostatistics, 2010 – 2013.
- Baiming Zou (PhD). Department of Biostatistics, 2011 – 2013.
- Noorie Hyun (PhD). Department of Biostatistics, 2011 – present.
- Natalia Gouskova (PhD). Department of Biostatistics, 2013 – present.
- Kathy Lipshutz (DrPH): “Evaluating Methods Analyzing Data with Multiple Events in Clinical Trials”, Department of Biostatistics, 1993 – 1994.
- Hsing-Yi Chang (DrPH): “Detecting Overdispersion with Censored Data”, Department of Biostatistics, 1994 – 1996.
- Steve Wisseh (DrPH): “Statistical Inference from Recurrent Event Data with Complete-or-Truncated History”, Department of Biostatistics, 1998 – 2000.
- Cicely Mitchel (DrPH). Department of Biostatistics, 2009 – 2011.
- Yi Zhang (DrPH). Department of Biostatistics, 2010 – 2013.

BIOS Master:

- Judith Bebchuk (MS): “The Effect of Income on Post-CABG Mortality in the United States and Manitoba”, Department of Biostatistics, 1994.
- Kathryn L. Andersen (MS): “Application of Ordinal Logistic Regression to Assess the Relationship Between Physical Abuse and Patterns of Substance Use Before and During Pregnancy”, Department of Biostatistics, 1995.
- Hsi-wen Liao (MS): “A Simulation Study of Estimators in Stratified Proportional Hazards Models”, Department of Biostatistics, 1997.
- Xiaoping Yang (MS): “Comparison of Different Methods for Generating Correlated Binary Variates”, Department of Biostatistics, 2000.

Non-BIOS:

- Kelly R. Evenson (Ph.D), Department of Epidemiology, 1997 – 1999.
- Youfa Wang (Ph.D), Department of Nutrition, 1998 – 2001.

- Shuanglin You (Ph.D), Department of Health Policy and Administration, 1998 – 2002.
- Stacy Geisler (Ph.D), Department of Epidemiology, 1999 – 2001.
- Susan Hogan (Ph.D), Department of Epidemiology, 1999 – 2001.
- Denise Houston (Ph.D), Department of Nutrition, 2001 – 2004.
- Tao Huang (Ph.D), Department of Statistics, 2002 – 2004.
- Sherry Farr (Ph.D), Department of Epidemiology, 2003 – 2004.
- Yan Zhong (Ph.D), Department of Epidemiology, 2004 – 2006.
- Katrina F. Trivers (Ph.D), Department of Epidemiology, 2004 – 2006.
- Eva Katz (Ph.D), Department of Nutrition, 2007 – 2010.
- May May Leung (Ph.D), Department of Nutrition, 2008 – 2010.
- Alison Gastafsun (Ph.D), Department of Nutrition, 2008 – 2010.
- Lisa Lowenstein (Ph.D), Department of Nutrition, 2008 – 2011.
- Carmina Valle (Ph.D), Department of Nutrition, 2009 – 2012.
- Arnita Norwood (Ph.D), Department of Nutrition, 2011 – 2013.
- Eva Erber (Ph.D), Department of Nutrition, 2013 – present.
- Amy Roberts (Ph.D), Department of Nutrition, 2013 – present.
- Zhihong Wang (Ph.D), Department of Nutrition, 2013 – present.
- Rongling Li (MS), Department of Epidemiology, 1994.

PEER REVIEWED PUBLICATIONS:

1. Prentice, R.L. and **Cai, J.**(1992): “Covariance and survivor function estimation using censored multivariate failure time data”, *Biometrika*, 79,3, pp. 495-512.
2. Pepe, M. and **Cai, J.**(1993): “Some graphical displays and marginal regression analysis for recurrent failure times and time dependent covariates”, *Journal of the American Statistical Association*, 88,423,pp. 811-820.
3. **Cai, J.** and Prentice, R.L.(1995): “Estimating equations for hazard ratio parameters based on correlated failure time data”, *Biometrika*, 82,1, pp. 151-164.

4. Robinson, J.G., Folsom, A.R., Nabulsi, A.A., Watson, R., Brancati, F.L. and **Cai, J.** (1996): "Can postmenopausal hormone replacement improve plasma lipids in women with diabetes?", *Diabetes Care*, 19, 5, pp. 480-485.
5. Liao, D., **Cai, J.**, Brancati, F.L., Crow R., Barnes, R.W., Tyroler, H.A. and Heiss, G. (1995): "Association of vagal tone with serum insulin, glucose and diabetes mellitus - the ARIC study", *Diabetes Research and Clinical Practice*, 30, pp. 211-221.
6. Li, R., **Cai, J.**, Tegeler, C., Sorlie, P., Metcalf, P.A., Heiss, G. (1996): "Reproducibility of extracranial carotid atherosclerotic lesions assessed by B-mode ultrasound: the atherosclerosis risk in communities study", *Ultrasound in Medicine and Biology*, 22, 7, pp. 791-799.
7. Liao, D., **Cai, J.**, Barnes, R.W., Tyroler, H.A., Rautaharju, P., Holme, I., Heiss, G. (1996): "Association of cardiac autonomic function and the development of hypertension - the ARIC study", *American Journal of Hypertension*, 9, pp. 1147-1156.
8. Liao, D., Cooper, L., **Cai, J.**, Toole, J.F., Bryan, N.R., Hutchinson, R.G. and Tyroler, H.A. (1996): "Presence and severity of cerebral white matter lesions and hypertension, its treatment and its control - the ARIC study", *Stroke*, 27, pp. 2262-2270.
9. **Cai, J.**, Zhou, H., and Davis, C.E. (1997): "Estimating the mean hazard ratio parameter for multivariate survival data with random clusters", *Statistics in Medicine*, 16, pp. 2009-2020.
10. Qaqish, B., Zhou, H., and **Cai, J.** (1997): "On the case-control sampling of clustered data ", *Biometrika*, 84, pp. 983-986.
11. Liao, D., **Cai, J.**, Rosamond, W. D., Barnes, R. W., Hutchinson, R. G., Whitsel, E. A., Rautaharju, P., Heiss, G. (1997): "Cardiac autonomic function and incident coronary heart disease: a population based case-cohort study - the ARIC study", *American Journal of Epidemiology*, 145, 8, pp. 696-706.
12. Liao, D., Cooper, L., **Cai, J.**, Toole, J.F., Bryan, N.R., Burke, G., Shahar, E., Nieto, J., Mosley, T., Heiss, G. (1997): "The Prevalence and severity of white matter lesions, their relationship with age, ethnicity, gender, and cardiovascular disease risk factors: the ARIC study", *Neuroepidemiology*, 16, pp. 149-162.
13. **Cai, J.** and Prentice, R.L. (1997): "Regression estimation using multivariate failure time data and a common baseline hazard function model", *Lifetime Data Analysis*, 3, pp. 197-213.
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