CURRICULUM VITAE
Limin Peng, Ph.D.

PERSONAL DATA

Associate professor
Department of Biostatistics and Bioinformatics
Rollins School of Public Health
Emory University
1518 Clifton Road, N.E.
Atlanta, GA 30322
Phone: (404) 727-7701
Email: lpeng@emory.edu

EDUCATION

2005	Ph.D., Statistics, University of Wisconsin-Madison
2000	M.S., Statistics, University of Science and Technology of China
1997	B.S., Computer Science, University of Science and Technology of China

PROFESSIONAL EXPERIENCE

2011—Present	Associate Professor Department of Biostatistics and Bioinformatics, Emory University
2005—2011	Rollins Assistant Professor Department of Biostatistics and Bioinformatics, Emory University
Summer 2003	Statistician/Full-time Summer Intern Global Discovery and Development, Eli Lilly and Company
2001—2003	Research Assistant Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison
2000—2001	Teaching Assistant Department of Statistics, University of Wisconsin-Madison

PROFESSIONAL ACTIVITIES

Membership

American Statistical Association (ASA)
Eastern North American Region of International Biometric Society (ENAR)
International Chinese Statistical Association (ICSA)

Grant Review

Study Section Member 07/2013—06/2018
Biostatistical Method and Research Design (BMRD), National Institute of Health (NIH)

Grant reviewer 2011
United States-Israel Binational Science Foundation

Grant reviewer 2012, 2015
NSA Mathemetical Sciences Grant Program

Grant reviewer, 2015
NSA-ASA grant program

Organizations/Committees

Appointed Member, Gertrude M. Cox Scholarship Committee, ASA 2008—2010
Appointed Chair, Organizing Committee of ENAR Junior Researcher Workshop 2012
Appointed Member, Organizing Committee of ENAR Junior Researcher Workshop 2010, 2013
Appointed Member, Regional Advisory Board (RAB) of ENAR, 2014—2017
Chapter Representative, Georgia Chapter of ASA 2008
Secretary, Georgia Chapter of ASA 2008—2009
Vice President , Georgia Chapter of ASA 2009—2014

Conference Activities

Organizer of the Invited Session, titled "Recent Advances in Regression Modeling of Survival Data", ENAR Spring Meeting, March 2007, Atlanta GA.

Organizer of the Invited Session, titled "Recent Advances in Survival Analysis with Complex Biomedical Data", ICSA Applied Statistics Symposium, June 2007, Raleigh NC.

Special Award Judge for American Statistical Association, Intel International Science and Engineering Fair, May 2008, Atlanta GA.

Organizer of the Invited Session, titled "Recent Development of Quantile Regression Methods for Survival Data", ENAR Spring Meeting, March 2009, San Antonio TX.

Chair of the Invited Session, titled "Competing Risks in Action", ENAR Spring Meeting, March 2009, San Antonio TX.

Organizer of the Invited Session, titled "New Method Development in Survival Analysis", ICSA Applied Statistics Symposium, June 2015, Fort Collins, Colorado.

EDITORIAL ACTIVITIES

Associate Editor, *Journal of American of Statistical Association*, 06/2013-present

Associate Editor, *Biometrics*, 07/2013-present

Co-Book Editor: *Handbook of Quantile Regression*

Referee for: *American Journal of Epidemiology, Annals of Epidemiology, Annals of Statistics, Australian & New Zealand Journal of Statistics, Bernoulli Journal, Biometrics, Biostatistics, Biometrika, Canadian Journal of Statistics, Circulation, Computational Statistics and Data Analysis, Journal of the American Statistical Association, Journal of Computational and Graphical Statistics, Journal of Nonparametric Statistics, Journal of Royal Statistical Society, Series A, Journal of Royal Statistical Society, Series B, Journal of Statistical Planning and Inference, Lifetime Data Analysis, Scandinavian Journal of Statistics, Statistics and Probability Letter, Statistics in Medicine, Statistica Sinica*

HONORS AND AWARDS

- Honorable Mention for Biostatistics Teaching award (Rollins School of Public Health, Emory University, 2012, 2015)
- ASA travel award to 2013 International Statistical Institute (National Science Foundation)
- Recipient of Rollins Endowed Assistant Professorship **(**Rollins School of Public Health, Emory University, 2005—2011).
- Statistical and Applied Mathematical Sciences Institute (SAMSI) Travel Award (2007)
- Merck Foundation Fellowship (University of Wisconsin-Madison, 2004—2005)
- Vilas Travel Award (University of Wisconsin-Madison, 2004)
- Guang-Hua Graduate Student Award (University of Science and Technology of China, 1999)
- Outstanding Student Award (University of Science and Technology of China, 1993—1997)

RESEARCH

Peer-reviewed publications

Journal Articles (Statistical Methods-oriented)

1. Zhao, L. and **Peng, L.** (2001). Model selection for canonical correlation analysis. *Acta Mathematicae Applicatae Sinica*, **17**, 539-549.

2. Zhao, L. and **Peng, L.** (2002). Model selection under order restriction. *Statistics and Probability Letters*, **57**, 301-306.

3. **Peng, L.** and Fine, J. P. (2006). Nonparametric estimation with left truncated semi-competing risks data. *Biometrika* **93**, 367-383.

4. **Peng, L.** and Fine, J. P. (2006). Rank estimation of accelerated lifetime models with dependent censoring. *Journal of the American Statistical Association* **101**, 1085-1093.

5. **Peng, L.** and Fine, J. P. (2007). Regression modeling of semi-competing risks data. *Biometrics* **63,** 96-108.

6. **Peng, L.** and Huang, Y. (2007). Survival analysis with temporal covariate effects. *Biometrika* **94**, 719-733.

7. **Peng, L.** and Fine, J. P. (2007). Nonparametric quantile inference with competing risks. *Biometrika* **94**, 735-744.

8. Johnson, B. A. and **Peng, L.** (2008). Rank-based variable selection. *Nonparametric Statistics* **20**, 241-251.

9. Lu, W. and **Peng, L.** (2008). Semiparametric analysis of mixture regression models with competing risks data. *Lifetime Data Analysis* **14**, 231-252.

10. **Peng, L.** and Fine, J. P. (2008). Nonparametric tests for continuous covariate effects with multivariate survival data. *Biometrics* **64**, 1080-1089.

11. **Peng, L.** and Huang, Y. (2008). Survival analysis based on quantile regression models. *Journal of the American Statistical Association* 103, 637-649.

12. Huang, Y. and **Peng, L.** (2009). Accelerated recurrent time models. *Scandinavian Journal of Statistics* **36**, 636-648.

13. Todem, D., Fine, J. P., and **Peng, L.** (2009). A global sensitivity test for evaluating statistical hypotheses with non-identifiable models. *Biometrics* 66, 558-566.

14. **Peng, L.** and Fine, J. P. (2009). Competing risks quantile regression. *Journal of the American Statistical Association* **104**, 1440-1453.

15. Chen, H., Manatunga, A., Lyles, B., **Peng, L.**, Marcus, M. (2009). Flexible modeling of longitudinal highly skewed outcomes. *Statistics in Medicine* **28**, 3811-3828.

16. †Qian, J. and **Peng, L.** (2010). Censored quantile regression with partially functional effects. *Biometrika* **97**, 839--850.

17. †Li, R. and **Peng, L.** (2011). Quantile regression for left-truncated semi-competing risks data. *Biometrics* **67**, 701--710.

18. **Peng, L.**, Li, R., Guo, Y., and Manatunga, A. (2011). A framework for assessing the broad sense agreement between ordinal and continuous measurements. *Journal of the American Statistical Association* **106**, 1592—1601.

19. †Ji, S., **Peng, L**., Cheng, Y., and Lai, H. (2012). Quantile regression for doubly censored data. *Biometrics* **68**, 101-112.

20. **Peng, L**. (2012). A note on self-consistent estimation of censored regression quantiles. *Journal of Multivariate Analysis* **105**, 368--379.

21. Guo, Y., Li, R., **Peng, L.,** and Manatunga, A. (2013). New agreement measures based on survival process. *Biometrics* **69**, 874-882.

22. **Peng, L.,** Xu, J., and Kutner, N. (2014). Shrinkage estimation of varying covariate effects based on quantile regression. *Statistics and Computing*, **24**, 853-869.

23. †Li, R. and **Peng, L.** (2014). Varying coefficient subdistribution regression for left-truncated semi-competing risks data, *Journal of Multivariate Analysis* 131, 65-78.

24. †Ji, S., **Peng, L**. and Lynn, M. (2014). Analysis of dependently censored data based on quantile. *Statistica Sinica*, 24, 1411-1432.

25. †Li, R. and **Peng, L.** (2015). Quantile Regression Adjusting for Dependent Censor- ing from Semi-Competing Risks. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*. 77, 107-130.

26. †Sun, X., **Peng, L.,** Huang, Y., and Lai, H-C (2015). Generalizing Quantile Regression for Counting Processes with Applications to Recurrent Events. *Journal of the American Statistical Association* (in press).

27. †Zheng, Qi and Peng, L. (2015). Consistent model identification of varying coefficient quantile regression with BIC tuning parameter selection. *Communication in Statistics* (in press).

28. †Zheng, Q., **Peng, L.** and He, X.(2015+). Globally Adaptive Quantile Regression with Ultra-High Dimension Data. *Annals of Statistics* (In press).

29. †Sun, X., **Peng, L**., Manatunga, A. and Marcus, M. (2015+). Quantile Regression Analysis of Censored Longitudinal Data with Irregular Outcome-Dependent Follow-up. *Biometrics* (in press).

†: the first author is a PhD advisee or Postdoc that completed the project under the direction of Dr. Peng.

Journal Articles (Biomedical or public health collaboration-oriented)

30. Pennell, P., **Peng, L.**, Newport, J., Ritchie, J., Koganti, A., Holley, Newman, Stowe, Z. (2008). Lamotrigine in Pregnancy: Clearance, Therapeutic Drug Monitoring, and Seizure Frequency. *Neurology* **70**, 2130-2136.

31. Peng, L. and Ross, H. (2009). The impact of cigarette taxes and advertising on the demand for cigarettes in Ukraine. *Central European Journal of Public Health* 17 (2): 93-98.

32. Umpierrez, G.E., Hor, T., Smiley, D., Temponi, A., Umpierrez, D., Ceron, M., Munoz, C., Newton, C., **Peng, L.**, and Baldwin, D. (2009). Comparison of Inpatient Insulin Regimens with DEtemir plus Aspart versus NPH plus regular in Medical Patients with Type 2 Diabetes (DEAN Trial). *Journal of Clinical Endocrinology and Metabolism* 94 (2): 564-569.

33. Umpierrez, G.E., Smiley, D., Robalino, G., Khan, B., **Peng, L.,** Kitabchi, A.E., Le, A., Quyyumi, A., Brown, V., Phillips, L.S. (2009). Free fatty acid-induced blood pressure elevation and endothelial dysfunction in obese African Americans with type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, 94:609-614.

34. Umpierrez, G.E., Jones, S., Smiley, D., Mulligan, P., Keyler, T., Temponi, A., Semakula, C., Umpierrez, D., **Peng, L.**, Ceron, M., Robalino, G. (2009). Insulin Analogs versus Human Insulin in the Treatment of Patients with Diabetic Ketoacidosis: a randomized controlled trial. *Diabetes Care* 32(7), 1164-1169.

35. Rizzo, M., **Peng, L.,** Frisch, A., Jurado, M., and Umpierrez, G.E. (2009). Breast Abscesses in Nonlactating Women With Diabetes: Clinical Features and Outcome. *The American Journal of the Medical Sciences* **338 (2)**, 123-126**.**

36. Peng, L., Wuu, J., and Benatar, M. (2009). Developing reference data for nerve conduction studies: An application of quantile regression. *Muscle and Nerve* **40**, 763-771.

37. Benatar, M., Wuu, J., and **Peng, L.** (2009). Reference data for commonly used sensory and motor never conduction studies. *Muscle and Nerve* **40**, 772-794.

38. Smiley, D., Rhee, M., **Peng, L.**, Roediger, L., Mulligan, P., Satterwhite, L., Bowen, P., and Umpierrez, G.E. (2010). Safety and Efficacy of Continuous Insulin Infusion in Non-Critical Care Settings. *Journal of Hospital Medicine* 5, 212-217.

39. Rizzo, M., Gabram, S., Staley, C., **Peng, L.,** Frisch, A., Jurado, M., Umpierrez, G.E. (2010) Management of Breast Abscesses in Non-Lactating Women. *The American Surgeon,* 292-295.

40. Pasquel, F.J., Spiegelman, R., McCauley, M., Smiley, D., Umpierrez, D., Johnson, R., Rhee, M., Gatcliffe, C., Lin, E., Umpierrez, E., **Peng, L**., Umpierrez, G.E. (2010). Hyperglycemia during total parenteral nutrition: an important marker of poor outcome and mortality in hospitalized patients. *Diabetes care*, 33(4), 739-741.

41. Umpierrez, G.E., Smiley, D., Robalino, G., **Peng, L.,** Gosmanov, A., Kitabchi, A. (2010). Lack of Lipotoxicity effect on b-cell dysfunction in Ketosis-Prone Type 2 Diabetes Mellitus. *Diabetes care*, 33(3), 626-631.

42. Gosmanov, A., Smiley, D., Robalino, G., Siqueira, J., **Peng, L,** Kitabchi, A., Umpierrez, G. E. (2010). Effects of Intravenous Glucose Load on Insulin Secretion in Patients with Ketosis-Prone Diabetes Mellitus during Near-Normoglycemia Remission. *Diabetes care*, 33(4), 854-860.

43. Frisch, A., Chandra, P., Smiley, D., **Peng, L.**, Rizzo, M., Gatcliffe, C., Hudson, M., Mendoza, J., Johnson, R., Lin, E., Umpierrez, G.E. (2010). Prevalence and Clinical Outcome of Perioperative Hyperglycemia in non-Cardiac Surgery. *Diabetes Care* 33, 1783-1788.

44. Newton, C.A., Smiley, D., Bode, B.W., Kitabchi, A.E., Davidson, P.C., Jacobs, S., Steed, R.D., Stentz, F., **Peng, L.,** Mulligan, P., Freire, A.X., Temponi, A., Umpierrez, G.E. (2010) A Comparison Study of Continuous Insulin Infusion Protocols in the Medical Intensive Care Unit: Computer-Guided versus Standard Column-Based Algorithms. *Journal of Hospital Medicine* 5, 432-437.

45. Gosmanov, A., Smiley, D. D., Robalino, G., Siguiera, J., Khan, B., Le, N. A, Patel, R., Quiyyumi, A., **Peng, L**., Kitabchi, A. E., Umpierrez, G.E. (2010). Effect of Oral and Intravenous Fat Load on Blood Pressure, Endothelial Function, Sympathetic Activity, and Oxidative Stress in Obese Healthy Subjects. *Journal of Physiology-Endocrinology and Metabolism* 299 (6), E953-E958.

46. Umpierrez, G.E., Smiley, D., Jacobs, S., **Peng, L.,** Temponi, A,m Mulligan, P., Umpierrez, D., Olson, D., Rizzo, M. (2011). **RA**ndomized Study of **B**asal **B**olus Insulin Therapy in the **I**npatient Management of Patients with **T**ype **2** Diabetes Undergoing General **Surgery** (**RABBIT 2 Surgery**). *Diabetes Care* 34(2), 256-261.

47. Joey, C.L., Felner, E.I., Muir, A.B., Brown, M., Dorcelet, M., **Peng, L**., Umpierrez, G.E. (2011). Do obese Children With Diabetic Ketoacidosis Have Type 1 or Type 2 Diabetes? *Primary Care Diabetes* **6**, 61--65.

48. Siqueira, J., Smiley, D., Newton, C., Le, N-A, Gosmanov, A. R., **Peng, L.**, Osteen, S. J., Jones, D. P., Quyyumi, A. A., Ziegler, T. R., Umpierrez, G. E. (2011), "Substitution of Standard Soybean Oil with Olive Oil-Based Lipid Emulsion in Parenteral Nutrition: Comparison of Vascular, Metabolic and Inflammatory Effects", *Journal of Clinical Endocrinology & Metabolism* **96**, 3207—3216.

49. Randall, L., Begovic, J., Hudson, M., Smiley, D., **Peng, L.**, Pitre, N., Umpierrez, G. E. (2011). Recurrent Diabetic Ketoacidosis in Inner-City Minority Patients: Behavioral, Socioeconomic, and Psychosocial Factors. *Diabetes Care* **34 (9)**, 1891-1896.

50. Umpierrez, G.E., Spiegelman, R., Zhao, V., Smiley, D.D., Pinzon, I., Griffith, D.P., Peng, L., Morris, T., Luo, M., Garcia, H, Thomas, C., Newton, C.A., and Ziegler, T.R. (2012). A double-blind, randomized clinical trial comparing soybean oil-based versus olive oil-based lipid emulsions in adult medical-surgical intensive care unit patients requiring parenteral nutrition. *Critical Care Medicine* **40(6)**, 1792--1798.

51. Beck, G.R., Khazai, N.B., Bouloux, G.F., Camalier, C.E., Lin, Y., Garneys, L.M., Siqueira, J., **Peng, L.,** Pasquel, F., Umpierrez, D., Smiley, D., Umpierrez, G.E. (2013). The effects of thiazolidinediones on human bone marrow stromal cell differentiation in vitro and in thiazolidinediones-treated patients with type 2 diabetes. *Translational Research.*161 (3), 145-155.

52. Farrokhi, F., Klindukhova, O., Chandra, P., **Peng, L.**, Smiley, D., Newton, C., Pasquel, F., Fereira, M.E., Umpierrez, G.E. Risk Factors for Inpatient Hypoglycemia during Subcutaneous Insulin Therapy in Non-Critically Ill Patients with Type 2 Diabetes, *Journal of Diabetes Science and Technology*, 6 (5), 1022-1029.

53. Gosmanov, A.R., Goorha, S., Stelts, S., **Peng, L.**, Umpierrez, G.E. (2013). Management of hyperglycemia in diabetic patients with hematological malignancies during dexamethasone therapy. *Endocrine Practice*, 19 (2), 231-235.

54. Umpierrez, G.E., Smiley, D., Hermayer, K., Khan, A., Olson, D.E., Newton, C., Jacobs, S., Rizzo, M., **Peng, L.**, Reyes, D., Rinzon, I., Fereira, M.E., Hunt, V., Gore, A., Toyoshima, M.T., Fonseca, V.A. (2013). A Randomized Study Comparing a Basal Bolus to a Basal Plus Correction Insulin Regimen for the Hospital Management of Medical and Surgical patients with Type 2 Diabetes: Basal Plus Trial, *Diabetes Care* 36, 2169-2174.

55. Umpierrez, G.E., Gianchandani, R., Smiley, D., Jacobs, S., Wesorick, D.H., Newton, C., M.D., Farrokhi, F., **Peng, L.**, Reyes, D., Lathkar-Pradhan, S., and Pasquel, F. (2013). Safety and Efficacy of Sitagliptin Therapy for the Inpatient Management of General Medicine and Surgery Patients with Type 2 Diabetes: A Pilot, Randomized Controlled Study. *Diabetes Care* 36, 3430-5.

56. Smiley, D., Guillermo, E.U., Hermayer, K., Newton, C., Jacobs, S., Olson, D.E., Khan, A., Rizzo, M., **Peng, L**., Reyes, D. Cardona, S., Fonseca, V. (2013). Difference in inpatient glycemic control and response to subcutaneous insulin therapy between medicine and surgery patients with type 2 diabetes. *Journal of Diabetes and Its Complications* 27, 637-641.

57. Newton, C.A., Adeel, S., Sadeghi-Yarandi, S., Powell, W., Migdal, A., Smiley, D., Olson, D., Chabria, R., Pinzon, I., Toyoshima, M., Nagamia, Z., **Peng, L**, Johnson, T., Umpierrez, G.E. (2013). Prevalence, quality of care, and complications in long term care residents with diabetes: A multicenter observation study. *Journal of the American Medical Directors Association*, 14, 842-846.

58. Farrokhi F, Chandra P, Smiley D, Pasquel FJ, **Peng L**, Newton CA, Umpierrez GE. Glucose variability is an independent predictor of mortality in hospitalized patients treated with total parenteral nutrition (2014). *Endocr Pract.* 20(1):41-5.

59. Vellanki, P., Bean, R., Oyedokun, F.A., Pasquel, F.J., Smiley, D., Farrokhi, F., Newton, C., **Peng, L.** and Umpierrez, G.E. (2015) Randomized Controlled Trial of Insulin Supplementation for Correction of Bedtime Hyperglycemia in Hospitalized Patients with Type 2 Diabetes. *Diabetes Care,* 38(4), 568-574.

60. Umpierrez, G.E., Cardona, S., Pasquel, F., Jacob, S., **Peng, L**., Unigwe, M., Newton, C.A., Smiley-Byrd, D., Vellanki, P., Halkos, M., Puskas, J.D., Guyton, R.A., Thourani, V.H. (2015). Randomized Controlled trial of Intensive versus Conservative Glucose Control in Patients Undergoing Coronary Artery Bypass Graft Surgery: GLUCO-CABG Trial. *Diabetes Care* 38(9), 1665-1672.

61. Pasquel, F., Winter, P., Peng, L., Johnson, T., Sadeghi-Yarandi, S., Newton, C., Smiley-Byrd, D., Toyoshima, M., Aram, P., Umpierrez, G.E. (2015+). A randomized controlled trial comparing treatment with oral agents and basal insulin in elderly patients with type 2 diabetes in long-term care facilities. *BMJ Open Diabetes & Research* doi:10.1136/bmjdrc-2015-000104.

62. Haw, S. J., Farrokhi, F., Smiley, D., Peng, L., Reyes, D., Newton, C., Pasquel, F.J., Vellanki, P., and Umpierrez, G.E. (2015). Comparison of basal insulin regimens on glycemic variability in non-critically ill patienys with type 2 diabetes, *Endocrine Practice* doi: http://dx.doi.org/10.4158/EP14540.OR.

63. Pasquel, F.J., Gomez-Huelgas, R., Anzola, I., Oyedokun, F., Haw, J. S., Vellanki, P., Peng, L., and Umpierrez, G.E. (2015). Predictive value of admission hemoglobin A_{1c} on inpatient glycemic control and response to insulin therapy in medicine and surgery patients with Type 2 Diabetes. *Diabetes Care* (accepted in October 2015)

Peer-Reviewed Book Chapters

64. Peng, L., Jiang, H., Chappell, R., and Fine, J. P. (2008). An overview of semi-competing risks problems. *Statistical Advances in the Biomedical Sciences: Clinical Trials, Epidemiology, Survival Analysis and Bioinformatics*, Wiley.

65. Martinussen, T. and **Peng, L.** (2013). The additive hazard, accelerated failure time models and quantile regression. *Handbook of Survival Analysis* (Editors: Klein, J.P., van Houwelingen, H.C., Ibrahim, J.G., Scheike, T.H.) Chapman & Hall/CRC.

Manuscripts Submitted or Under Revision

66. †Yang, J. and Peng, L. (2015). A New Flexible Dependence Measure for Semi-Competing Risks Data. *Biometrics* (invited revision)

67. †Li, R. and **Peng, L.** (2015+). Assessing Quantile Prediction With Censored Quantile Regression Models. *Biometrics* (invited revision).

68. Li, J., †Zheng, Q., and **Peng, L**. (2015+). Survival Impact Index and Ultrahigh-dimensional Model-free Screening with Survival Outcomes. *Biometrics* (invited revision).

69. Peng, L., Manatunga, A., Wang, M., and Guo, Y. (2015+). A general approach to categorizing a continuous scale according to a categorical scale. *Journal of Statistical Planning and Inference* (revision submitted).

70. †Rahman, F.A., **Peng, L.**, Manatunga, A., and Guo, Y. (2015+). Nonparametric Regression Method for Broad Sense Agreement (submitted).

†: the first author is a supervised PhD student or Postdoc

TEACHING ACTIVITIES

Courses

Emory University

• Logistic Regression and Survival Analysis (BIOS 706)	Fall 2006
• Advanced Seminar in Biostatistics (BIOS 790R & 590R)	Spring 2007
• Survival Analysis Methods (BIOS 522)	Fall 2007, 2009
• Quantile Regression (BIOS 760R)	Fall 2009, Spring 2014
• Probability Theory II (BIOS 710)	Fall 2011, 2013, 2014, 2015

Invited Short Course/Tutorial

Tutorial on "Quantile Regression for Survival Analysis", 2013 ENAR Spring Meeting, Baltimore, March 2013.

Short course on "Quantile Regression for Survival Analysis", Center of Disease Control and Prevention (CDC), Atlanta, August 2015.

Research Advising

Doctoral Dissertation Advisor for

- Ruosha Li, "Quantile Regression with Complex Survival Data" (Defended thesis in June 2011).
- Shuang Ji, "Quantile regression for complex censored data" (Defended thesis in July 2012).

- Xiaoyan Sun, "Flexible Semiparametric Regression Methods for Observational Follow-up Studies (Defended thesis in July 2014).
- Jing Yang, 5th year Ph.D. Student, Dissertation in progress (Completed dissertation proposal in May 2015).

Doctoral Dissertation Committee Member for

- Huichao Chen (2006), "Statistical Methods for Modeling Exposure and Reproductive Outcomes"
- Jing Qian (2009), "Analysis of Outcomes with Induced Dependent Censoring: Medical Cost and Successive Durations"
- Shulin Liu (2015), "Joint Modeling Approaches for Clustered Survival Data with Random Cluster Suze"
- Tian Dai, 6th PhD Student, Dissertation in progress

Master Thesis Advisor for

- Sebastian Perez (2009), "An Application of Quantile Regression to Exploring Determinants of PBB Decay Rates of Women in Michigan," Charles Shepard Award finalist for the best thesis in the Rollins School of Public Health
- Juhee Lee (2010), "An Application of Competing Risks Quantile Regression to the Warfarin Aspirin Symptomatic Intracranial Disease (WASID) study".
- Li Wei (2014), "Exploring Risk Factors for Vitamin D Deficiency in Cystic Fibrosis Patients and Generally Healthy Population".
- Yi Wang (2015), "The Role of Vitamin D in the All-Cause Mortality of General Population".

GRANTS AND FUNDING

External Funding (Current and Completed)

PI: Peng, L., "Method Development for Survival Dynamic Regression in Chronic Disease Research". National Institutes of Health, 08/06/2012—06/30/2017, $200,000 direct/year (35%).

MPI: Peng, L. (MPIs: Manatunga, A., Guo, Y., Peng, L.), "Method Development of Agreement Measures and Applications in Mental Health," Biostatistical Methods and Research Design Study Section, National Institutes of Health, 10/01/2013 – 09/31/2017, $250,000 direct/year (25%).

Subcontract PI (PI: Lai, H.C.), "Newborn Screening, Malnutrition and Lung Disease in Children with Cystic Fibrosis", National Institutes of Health, 09/01/2011—08/31/2016, $20,211 (3%).

Co-Investigator: Peng, L. (PI: Tirouvanziam, R.), "Impact of the Resistin/Insulin/IGF1 Axis on CF Inflammatory Disease", Cystic Fibrosis Foundation, 04/01/15-03/31/18, $94,600 (5%).

Co-Investigator: Peng, L. (PI: Tirouvanziam, R.), "Contribution of neutrophils to early airway disease in cystic fibrosis children, 09/14/15—06/30/2019, $264,900 (5%).

Co-Investigator: Peng, L. (PI: Umpierrez, G.E.), "A Prospective, Randomized, Double-Blind Comparison of a Long-Acting Basal Insulin", 09/29/11-09/28/15, $85,835 (10%).

Co-Investigator: Peng, L. (PI: Umpierrez, G.E.), "A Randomized Controlled Study Comparing a DPP4 Inhibitor (Linagliptin) and Basal Insulin (Glargine) in Long-Term Care Residents with Type 2 Diabetes", 01/01/14-12/31/16, $165,217 (5%).

PI: Peng, L., "Quantile Regression with Time-to-Event Data," Division of Mathematical Sciences, National Science Foundation, 07/01/2007—12/30/2010, $102,491 (16.7%).

PI: Peng, L., "Method Development for Censored Quantile Regression," Division of Mathematical Sciences, National Science Foundation, 08/01/2010—07/31/2014, $99,989 (7.1%).

Co-Investigator: Peng, L. (PI: Manatunga, A.), "Method Development of Agreement Measures and Applications in Mental Health," Biostatistical Methods and Research Design Study Section, National Institutes of Health, 04/01/2008 – 03/31/2013, $826,200 (27%).

Co-Investigator: Peng, L. (PIs: Lyles, B. and Manatunga, A.), "Analytical Methods: Environmental/Reproductive Epidemiology", Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions, National Institutes of Health, 08/01/2003 – 06/30/2012, $1,224,000 (13.5%).

Subcontract PI (PI: Pennell, P.), ``Neuroactive Steroid and Seizure Control during Pregnancy in Women with Epilepsy ", National Institutes of Health, 09/01/2009—08/31/2011, $20,211 (5%).

Co-Investigator: Peng, L. (PI: Umpierrez, G.E.), "Free Fatty Acids Induced Hypertension and Endothelial Dysfunction in Obese Subjects," American Diabetes Association, 01/01/2008 – 12/31/2010, $600,000, (10%).

Co-Investigator: Peng, L. (PI: Umpierrez, G.E.), "Randomized Study of Basal Bolus Insulin Therapy for the Management of Type", 12/03/2007 – 12/31/2010, $230,400, (5%).

Co-Investigator: Peng, L. (PI: Druss, B.), "Improving Primary Care of Patients with Mental Disorders", National Institutes of Health, 07/01/2004 – 12/31/2014, $408,274, (5%)

Emory University Funding

PI: Peng, L., "Flexible Regression Methods for Censored Survival Data," Emory University Research Committee (URC) grant, 07/01/2007 – 06/30/2008, $27,250.

PI: Peng, L., "Flexible Regression Methods for Censored Survival Data," Atlanta-Clinical Translational Science Institute (A-CTSI) Grant, 07/01/2007 – 06/30/2008, $5,000.

ACADEMIC SERVICE

Department of Biostatistics and Bioinformatics, Emory University

Chair, Admission Committee (2014—2015)
Co-chair, Biostatistics Strategic Plan Committee Regarding Doctoral Student Funding (2007—2008)
Member, Admission Committee (2005—2006, 2008—2009, 2009—2010, 2000—2011, 2013—2014)
Member, Computer Advisory Committee (2006—2013)
Member, Curriculum Committee (2006—2010)
Member, Faculty Retreat Planning Committee (2006—2007)
Member, Faculty Search Committee (2009—2010, 2013—2014)
Member, Qualify Exam Committee (2010—2015)

Rollins School of Public Health, Emory University

Department representative, Faculty Council 2013—Present
Reviewer, Center for the AIDS Research (CFAR) Grant Application Review Board, 2009A cycle

Emory University

Member, Woodruff Fellowship Selection Committee 2008
Director of Graduate Studies for Biostatistics, Laney Graduate School, Emory University Nov 2014—Present