

# CURRICULUM VITAE

## Limin Peng, Ph.D.

Department of Biostatistics and Bioinformatics  
Emory University  
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### EDUCATION

- 2005            University of Wisconsin-Madison  
                  Ph.D. in Statistics
- 1997            University of Science and Technology of China  
                  M.S. in Probability Theory and Mathematics Statistics
- 1993            University of Science and Technology of China  
                  B.S. in Computer Science

### PROFESSIONAL EXPERIENCE

- 2005—present      Rollins Assistant Professor  
                          Department of Biostatistics and Bioinformatics, Emory University,  
                          Atlanta, Georgia
- 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

### HONORS AND AWARDS

- 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)

## GRANTS AND FUNDING

### External Funding

**PI: Peng, L.**, “Method Development for Censored Quantile Regression,” Division of Mathematical Sciences, National Science Foundation, 08/01/2010—07/31/2013, \$99,989 (8%).

**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 (17%).

**Co-PI: 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 – 03/31/2012, \$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 (14%).

**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: Druss, B.), “Improving Primary Care of Patients with Mental Disorders”, National Institutes of Health, 07/01/2004 – 12/31/2014, \$408,274, (5%)

**Co-Investigator: Peng, L.** (PI: Umpierrez, G.E.), “Intensive Insulin Therapy in Hyperglycemic Patients Undergoing Coronary Artery Bypass Graft (CABG) Surgery”, American Diabetes Association, 01/11/2011 – 12/31/2014, \$600,000, (5%).

**Co-Investigator: Peng, L.** (PI: Umpierrez, G.E.), “Rabbit 2: Randomized Study of Basal Bolus Insulin Therapy for the Management of Type 2 Diabetes Undergoing General Surgery (RABBIT 2 Surgery)”, Sanofi Aventis, 12/03/2007 – 12/31/2011, \$230,400, (25%).

### Pending Funding

**PI: Peng, L.,** “Quantile Regression Methods for Survival Analysis in Biomedical Research”. National Institutes of Health, 10/01/2011—09/30/2015, \$770,192 (40%).

**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%).

### **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.

### **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.** (2010). Quantile regression for left-truncated semi-competing risks data. *Biometrics* (In press).

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

*Journal Articles (Biomedical or public health collaboration-oriented)*

18. 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.
19. **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.
20. 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.

21. 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.
22. 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.
23. 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.
24. **Peng, L.**, Wu, J., and Benatar, M. (2009). Developing reference data for nerve conduction studies: An application of quantile regression. *Muscle and Nerve* 40, 763-771.
25. Benatar, M., Wu, J., and **Peng, L.** (2009). Reference data for commonly used sensory and motor nerve conduction studies. *Muscle and Nerve* 40, 772-794.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.

32. 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. *American Journal of Physiology-Endocrinology and Metabolism* 299, E953--958.
33. 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.
34. 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 **S**urgery (**R**ABBIT **2** Surgery). *Diabetes Care* **34**, 256-261.
35. 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* (tentatively accepted).
36. 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* (tentatively accepted).

#### *Peer-Reviewed Book Chapters*

37. **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.

#### **Manuscripts Submitted or Under Revision**

1. **Peng, L.** (2011). A note on self-consistent estimation of censored regression quantiles. *Scandinavian Journal of Statistics* (1<sup>st</sup> revision submitted).
2. **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* (Invited for revision).
3. †Ji, S., **Peng, L.**, Cheng, Y., and Lai, H. (2011). Quantile regression for doubly censored data. *Biometrics* (1<sup>st</sup> revision submitted).

4. †Li, R. and **Peng, L.** (2011). Quantile regression adjusting for dependent censoring (Submitted).
5. Wang, M., Manatunga, A., **Peng, L.**, and Guo, Y. (2011). Estimation of cut-points on a continuous scale according to a categorical scale (Submitted).
6. Joey, C.L., Felner, E.I., Muir, A.B., Brown, M., Dorcelet, M., **Peng, L.**, Umpierrez, G.E. (2010). Do obese Children With Diabetic Ketoacidosis Have Type 1 or Type 2 Diabetes? (Submitted).

†: the first author is a supervised PhD student

### **Invited Presentations**

1. “Investigation of the role of within-subject correlation model in cancer *in vivo* Data analysis”—Statistics Seminar, Eli Lilly and Company, August 2003.
2. “Regression modeling of semi-competing risks data”—Departmental Seminar, Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison, April 2004.
3. “Nonparametric estimation with left-truncated semi-competing risks data”—Invited talk, Department of Statistics, University of Georgia, Athens GA, January 2006.
4. “Nonparametric estimation with left-truncated semi-competing risks data”—Invited talk, ICSA 2006 Applied Statistics Symposium, Storrs CT, June 2006.
5. “Nonparametric tests for continuous covariate effects with multistate survival data” — Departmental Seminar, Department of Biostatistics, Emory University, Atlanta GA, November 2006.
6. “Nonparametric estimation for semi-competing risks data”—Invited talk, Department of Statistics, George Mason University, Fairfax VA, March 2007.
7. “Survival analysis with temporal covariate effects”—Invited talk, ENAR meeting, Atlanta GA, March 2007.
8. “Survival analysis with temporal covariate effects”—Invited talk, ICSA 2007 Applied Statistics Symposium, Raleigh NC, June 2007.
9. “Nonparametric quantile inference with competing risks data”—Invited talk, Department of Mathematics and Statistics, George State University, Atlanta GA, November 2007.

10. “Competing risks quantile regression”—Invited talk, ENAR meeting, San Antonio, TX, March 2009.
11. “Survival analysis based on quantile regression models” —Invited talk, IMS-China International Conference on Statistics and Probability, Weihai, China. July 2009.
12. “On censored quantile regression”—Invited talk, Department of Statistics, National University of Singapore, March 2010.
13. “Quantile regression for doubly censored data” ”—Invited talk, Department of Biotatistics, University of Pittsburgh, October 2010.
14. “Quantile regression for doubly censored data” ”—Invited talk, Division of Biotatistics, School of Medicine, Washington University-St. Louis, December 2010.
15. “Self-consistent estimation of censored quantile regression” —Invited talk, IMS-China International Conference on Statistics and Probability, Xian, China. July 2011.

## **Other Presentations**

### ***Contributed Conference Presentations***

16. “Nonparametric estimation with left-truncated semi-competing risks data”—Contributed talk, ENAR meeting, Austin TX, March 2005.
17. “Rank estimation of accelerated lifetime models with dependent censoring”—Contributed talk, ENAR meeting, Tampa FL, March 2006.
18. “Nonparametric tests for continuous covariate effects with multistate survival data”—Contributed talk, Joint Statistical Meeting, Seattle WA, August 2006.
19. “Survival analysis based on quantile regression models”—Poster presentation, ENAR meeting, Washington DC, March 2008.
20. “Broad sense agreement between continuous measurements” ”—Contributed talk, ENAR meeting, Miami FL, March 2011.

### ***Contributed Conference Presentations by Supervised Student***

21. ‡Qian, J. and Peng, L. “Quantile regression with partially functional effects,” Joint Statistical Meeting, Denver CO, August 2008.



22. ‡Li, R. and **Peng, L.** “Quantile regression for left-truncated semi-competing risks data,” Joint Statistical Meeting, Washington DC, August 2009.
23. **Peng, L.**, ‡Li, R., Guo, Y., and Manatunga, A. “Assessing Broad Sense Agreement between ordinal and continuous measurements,” ENAR Spring Meeting, New Orleans LA, March 2010.
24. ‡Wang, M, Manatunga, A., **Peng, L.** and Guo, Y. “Estimation of cut-points on a continuous scale according to a categorical scale,” ENAR Spring Meeting, New Orleans LA, March 2010.
25. ‡Li, R. and **Peng, L.** “Quantile Regression Adjusting for Dependent Censoring”, Joint Statistical Meeting, Vancouver Canada, August 2010.
26. ‡Ji, S., **Peng, L.**, Cheng, Y., and Lai, H. “Quantile Regression Methods for Doubly Censored Data from Registry Studies”, Joint Statistical Meeting, Vancouver Canada, August 2010.
27. ‡Ji, S., **Peng, L.**, Cheng, Y., and Lai, H. “A Novel Statistical Analysis on First Pseudomonas Aeruginosa Infection in Young Children with Cystic Fibrosis”, accepted for poster presentation at the 24<sup>th</sup> Annual North American Cystic Fibrosis Conference, Baltimore, MA, October 2010.
28. ‡Li, R. and **Peng, L.** “Quantile Regression Adjusting for Dependent Censoring”, Joint ENAR Meeting, Miami FL, March 2011 (ENAR Distinguished Student Paper Award).

‡: student presenter.

### ***Other Presentations as Non-Presenting Co-Author***

29. Forouzannia, A., Patel, R., **Peng, L.**, Odau, H., Das, R., and Kuske, R. Does Re-excision Effect Acute Toxicity and Dosimetry in Definitive Breast Brachytherapy? Presented at the 11th Annual International Brachytherapy Conference, Santa Fe, New Mexico, June 2002.
30. Boswell, S., Keller, H., **Peng, L.**, Ruchala, K., and Mackie, T.R. Inter-observer Variability of the Six Rigid-body Setup Parameters for Prostate Treatment. Presented at the 44th annual meeting of the American Association of Physicists in Medicine, Palais des Congres de Montreal, Canada, July 2002.
31. Bradley, K., Hong, T., Tome, W., Hayes, L., **Peng, L.**, Resnick, D., and Mehta, M. LINAC-based Radiosurgery in the Treatment of Trigeminal Neuralgia: A Preliminary Report. Presented at the 44<sup>th</sup> annual meeting of the American Society for Therapeutic Radiology and Oncology, New Orleans, October 2002.
32. Ritter, M. A., Gilchrist, K.W., Chappell, R. J., **Peng, L.**, and Verhoven, B. M. Integrating Biomarkers into Clinical Predictive and Prognostic Paradigms for Prostate Cancer: the role of p53 status. Accepted for oral presentation, American Radium Society, May 2004.

33. Pennell, P. B., Koganti, A., **Peng, L.**, Newman, M., Holley, D., and Stowe, Z. Seizure Frequency in Women on LTG during Pregnancy using Therapeutic Drug Monitoring. Annual Meetings of the American Epilepsy Society and Canadian League Against Epilepsy, San Diego, December 2006.
34. **Peng, L.**, Huang, E., Zhang, R., and Kutner, N. (2006). Evidence of RLS Temporal Effects on Dialysis Patient Survival. Annual Conference on Dialysis, Denver, February 2007.
35. Smiley, D., Rhee, M., **Peng, L.**, Bowen, P., Mulligan, P., Satterwhite, L., Bowen, P., and Umpierrez, G.E. The Safety and Efficacy of Continuous Insulin Infusion in Non-Critical Care Units. American Diabetes Association Annual Meeting, San Francisco, June 2008.
36. Ioachimescu, A.G., Smiley, D., **Peng, L.**, Le, N-A., Phillips, L., Robalino, G., Rhee, M., Khan, B.V., and Umpierrez, G.E. Oral and parenteral fat administration causes “acute metabolic syndrome” in obese African-American subjects. The Endocrine Society’s 90th Annual Meeting, San Francisco, June 2008.
37. Rizzo, M., Frisch, A., **Peng, L.**, Jurado, M., and Umpierrez, G.E. Breast Abscess in Non-Lactating Women with Diabetes: Clinical Features and Outcome. American Diabetes Association Annual Meeting, San Francisco, June 2008.
38. Gambhir, R., Hemrajany, D., Roediger, L., Smiley, D., **Peng, L.**, Osburne, R., and Umpierrez, G.E. (2008) Diabetes and Steroid-Induced Hyperglycemia in Patients with COPD Exacerbation: Prevalence and Clinical Outcome. American Diabetes Association Annual Meeting, San Francisco, June 2008.
39. Spiegelman, R., McCauley, M., Umpierrez, D., Johnson, R., Umpierrez, E., Pasquel, F., Smiley, D., **Peng, L.**, and Umpierrez, G.E. Total Parenteral Nutrition (TPN)-Induced Hyperglycemia: Impact on Clinical Outcome in ICU and Non-ICU patients. The Endocrine Society’s 90th Annual Meeting, San Francisco, June 2008.
40. Umpierrez, G.E., Smiley, D., Newton, C.A., **Peng, L.**, and Rhee, M. (2008) Comparison of Different Subcutaneous Insulin Regimens in Noncritical Ill Patients with Type 2 Diabetes. The 44th Annual Meeting of the European Association for the Study of Diabetes, Rome, Italy, September 2008.
41. Umpierrez, G.E. Spiegelman, R., Lin, E., Gatcliffe, C., Smiley, D., **Peng, L.**, and Luo, M. Hyperglycemia During Total Parenteral Nutrition: An Important Marker of Mortality in ICU and Non-ICU Patients. *J Investigative Medicine*, 57 (1): 354A.
42. Frisch, A., Lin, E., Gatcliffe, C., Hudson, M., **Peng, L.**, Mendoza, J., Johnson, R., Rizzo, M., Smiley, D., and Umpierrez, G.E. Perioperative Hyperglycemia and Mortality Risk in Non-Cardiac Surgical Patients. Oral presentation at the 69<sup>th</sup> American Diabetes Association Annual Meeting, New Orleans, June 2009.
43. Smiley, D., Spiegelman, R., Gatcliffe, C., Lin, E., McCauley, M., Umpierrez, D., Johnson, R., Umpierrez, E., Rhee, M., **Peng, L.**, Luo, M., and Umpierrez, G. Hyperglycemia during Total Parenteral Nutrition: An Important Marker of Poor Outcome and Mortality in Hospitalized Patients. Oral presentation at the 69<sup>th</sup> American Diabetes Association Annual Meeting, New Orleans, June 2009.

44. Smiley, D., Pitre, N., Umpierrez, D., **Peng, L.**, Umpierrez, G.E., and Ziemer, D. Recurrent Diabetic Ketoacidosis: Health, Economic, and Social Barriers. Poster presentation at the 69<sup>th</sup> American Diabetes Association Annual Meeting, New Orleans, June 2009.
45. Newton, C., Smiley, D., **Peng, L.**, Bode, B., Davidson, P., Steed, R.D., Stentz, F.B., Jacobs, S., Kitabchi, A.E., and Umpierrez, G.E. Inflammatory Markers but Not Glycemic Changes Predict Hospital Mortality in Medical ICU Patients. Poster presentation at the 69<sup>th</sup> American Diabetes Association Annual Meeting, New Orleans, June 2009.
46. Smiley, D., Pitre, N., Umpierrez, G.E., **Peng, L.**, Umpierrez, G.E., and Ziemer, D. Randomized Study of Basal Bolus Insulin Therapy in the Inpatient Management of Patients with Type 2 Diabetes Undergoing General Surgery (RABBIT 2 Surgery). Poster presentation at the 69<sup>th</sup> American Diabetes Association Annual Meeting, New Orleans, June 2009.
47. Frisch, A., Lin, E., Gatcliffe, C., Hudson, M., **Peng, L.**, Mendoza, J., Johnson, R., Rizzo, M., Smiley, D., and Umpierrez, G.E. Hyperglycemia and Postoperative Complications in Non-Cardiac Surgery. . The Endocrine Society's 91th Annual Meeting, Washington DC, June 2009.
48. Gosmanov, A., Smiley, D., Le, N., Robalino, G., Franca, J., Patel, R., Newton, C., Khan, B., Quyyumi, A., **Peng, L.**, Umpierrez, G.E. Effects of Oral and Intravenous Fat Load on Blood Pressure, Endothelial and Autonomic Function in Obese Subjects. Oral presentation at the 70<sup>th</sup> American Diabetes Association Annual Meeting, Orlando FL, June 2010.
49. Umpierrez, G.E., Smiley, D., Jacobs, S., **Peng, L.**, Temponi, A., Newton, C., Umpierrez, D., Mulligan, P., Olson, D., MacLeod, J., Rizzo, M. Randomized Study of Basal Bolus Insulin Therapy in the Inpatient Management of Patients with Type 2 Diabetes Undergoing General Surgery (RABBIT 2 Surgery). Oral presentation at the 70<sup>th</sup> American Diabetes Association Annual Meeting, Orlando FL, June 2010.
50. Smiley, D., Pinzón, I., Temponi, A., **Peng, L.**, Newton, C., García, H., Umpierrez, G.E. Change in Hemoglobin A1C values during Hospitalization in Medical and Surgery Patients with Diabetes. Poster presentation at the 70<sup>th</sup> American Diabetes Association Annual Meeting, Orlando FL, June 2010.
51. Begovic, J., Dawn Smiley, Hall, L., **Peng, L.**, Umpierrez, G.E. Recurrent Diabetic Ketoacidosis in Inner-City Populations: Health, Economic, and Psychosocial Barriers. Poster presentation at the 70<sup>th</sup> American Diabetes Association Annual Meeting, Orlando FL, June 2010.
52. Smiley, D., Begovic, J., **Peng, L.**, and Umpierrez, G. Short-Term Predictors of Near-Normoglycemic Remission in African-Americans (AAs) with Hyperglycemic Crises. Abstract publication at the 70<sup>th</sup> American Diabetes Association Annual Meeting, Orlando FL, June 2010.

## TEACHING ACTIVITIES

### Courses

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, 2010
Quantile Regression (BIOS 760R)	Fall 2009
Probability Theory II (BIOS 710)	Fall 2011 (scheduled)

## **Research Advising**

### ***Doctoral Dissertation Advisor*** for

Ruosha Li, 5<sup>th</sup> year Ph.D. student, “Quantile Regression with Complex Survival Data” (Expected to defend thesis in June 2011; Part of her dissertation work won the prestigious ENAR Distinguished Student Paper Award).

Shuang Ji, 4<sup>th</sup> year Ph.D. student, “Quantile Regression with Complex Censored Data” (Proposal passed in April 2011)

### ***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”

### ***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”.

## **PROFESSIONAL AND ACADEMIC SERVICE**

### **Professional Service**

Chapter Representative, Georgia Chapter, American Statistical Association  
April 2008—October 2008

Secretary, Georgia Chapter, American Statistical Association      October 2008—October 2009

Vice President, Georgia Chapter, American Statistical Association      October 2009—Present

Appointed Member, Gertrude M. Cox Scholarship Committee, American Statistical Association  
2008—2011

Appointed Member, Organizing Committee of Eastern North American Region of International  
Biometric Society (ENAR) Junior Researcher Workshop 2010

Appointed Chair, Organizing Committee of Eastern North American Region of International  
Biometric Society (ENAR) Junior Researcher Workshop 2012

### **Professional 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.

### **Professional Memberships**

Member of American Statistical Association

Member of International Biometric Society (Eastern North American Region)

Member of Institute of Mathematical Statistics

Member of International Chinese Statistical Association

### **Editorial Activities**

Reviewer, *American Journal of Epidemiology* (1 manuscript)

Reviewer, *Annals of Epidemiology* (3 manuscripts)

Reviewer, *Annals of Statistics* (1 manuscripts)

Reviewer, *Australian & New Zealand Journal of Statistics* (1 manuscript)

Reviewer, *Bernoulli Journal* (1 manuscript)

Reviewer, *Biometrics* (3 manuscripts)

Reviewer, *Biostatistics* (2 manuscript)

Reviewer, *Biometrika* (1 manuscript)

Reviewer, *Canadian Journal of Statistics* (1 manuscript)

Reviewer, *Circulation* (1 manuscript)  
Reviewer, *Computational Statistics and Data Analysis* (2 manuscript)  
Reviewer, *Journal of the American Statistical Association* (3 manuscripts)  
Reviewer, *Journal of Computational and Graphical Statistics* (1 manuscript)  
Reviewer, *Journal of Nonparametric Statistics* (1 manuscript)  
Reviewer, *Journal of Royal Statistical Society, Series B* (1 manuscript)  
Reviewer, *Lifetime Data Analysis* (4 manuscripts)  
Reviewer, *Scandinavian Journal of Statistics* (2 manuscripts)  
Reviewer, *Statistics in Medicine* (1 manuscript)  
Reviewer, *Statistica Sinica* (3 manuscripts)

Grant reviewer, *United States-Israel Binational Science Foundation*, 2011

## **Academic Committees and Activities**

### **Department of Biostatistics and Bioinformatics, Emory University**

Co-chair, Biostatistics Strategic Plan Committee Regarding Doctoral Student Funding (2007—2008)  
Member, Admission Committee (2005—2006, 2008—2009, 2009—2010)  
Member, Computer Advisory Committee (2006—2010)  
Member, Curriculum Committee (2006 – 2010)  
Member, Faculty Retreat Planning Committee (2006—2007)  
Member, Faculty Search Committee (2009—2010)

### **Rollins School of Public Health, Emory University**

Reviewer, Center for the AIDS Research (CFAR) Grant Application Review Board, 2009A cycle

### **Emory University**

Member, Woodruff Fellowship Selection Committee (2008)