Emory University faculty and students were very active at the recent Joint Statistical Meetings held in Seattle, Washington, August 9 – 13 2015. Below is a list of their presentation.

- **Simple Instrumental Variable Regression for Censored Data with Exposure-Dependent Censoring** — Kwun Chuen Gary Chan, University of Washington, Dylan Small, University of Pennsylvania, **Yijian Huang, Emory University**

- **Semiparametric Bayes Graphical Models Incorporating Covariates with Applications to Imaging Genetics** — **Suprateek Kundu, Emory University**, Jian Kang.

- **A Comparison of Methods for Correlating Two Variables in the Presence of Nondetects** — Stephen Looney, Georgia Regents University, **Courtney E. McCracken, Emory University**

- **Nonparametric Estimation of Agreement Measure Between Ordinal and Censored Continuous Outcomes** — Tian Dai, Ying Guo, Limin Peng, Amita K. Manatunga, Emory University.

- **Accelerated Failure Time Model for Recurrent Events with Errors in Covariates** — Ming Zhu, AbbVie, **Yijian Huang, Emory University**

- **A Machine Learning Approach for Predicting Transcription Factor Binding** — **Steve Qin, Emory University**

- **Regression for Skewed Biomarker Outcomes Subject to Pooling** — Robert H. Lyles, Amita K. Manatunga, Emory University, Michelle Danaher, NICHD, Neil J. Perkins, NICHD, Enrique F. Schisterman, NIH

- **Transaction Attributes and Customer Valuation** - **David Schweidel, Emory University**, Eli Stein, Harvard University

- **Bayesian Variable Selection with Dependent Priors for Regularization Parameters** — Changgee Chang, Suprateek Kundu, Qi Long, Emory University

- Statistical Innovations for Genetic Association Studies - **Yijuan Hu, Emory University**, Organizer and Chair

- **Comparing Censored Quantile Regression Models in Prediction Performances** — Ruosha Li, The University of Texas School of Public Health, **Limin Peng, Emory University**

- **Evaluating Data Science Contributions in Teaching and Research** — Lance Waller, Emory University

- **Multiple Imputation in the Presence of High-Dimensional Data** — Domonique Watson Hodge, Qi Long, Emory University

- **Bayesian Modeling and Prediction of Accrual in Multi-Regional Clinical Trials** (poster) — **Yi Deng, Emory University**, Xiaoxi Zhang, Pfizer Inc., **Qi Long, Emory University**

- **Generalizing Quantile Regression for Counting Processes with Applications to Recurrent Events** — **Limin Peng, Xiaoyan Sun, Yijian Huang, Emory University**, Huichuan J. Lai, University of Wisconsin Madison

- **Base-Resolution Methylation Patterns Accurately Predict Transcription Factor Bindings in Vivo** — Hao Wu, Steve Qin, Ben Li, Tianlei Xu, Emory University
• *Dose Escalation with Over-Dose and Under-Dose Control in Phase I/II Clinical Trials* — Zhengjia Chen, Emory University; Ying Yuan, MD Anderson Cancer Center, Zheng Li, Michael Kutner, Taofeek Oownikoko, Walter J. Curran, Fadil Khuri, Jeanne Kowalski, Emory University

• *A Method for Constructing a Score from Items in an Instrument with the Concept of Agreement* — Lijia Wang, Limin Peng, Ying Guo, Amita K. Manatunga, Emory University

• *Thresholded Multiscale Gaussian Processes with Application to Bayesian Feature Selection for Massive Neuroimaging Data* — Ran Shi, Emory University, Jian Kang. (Section on Bayesian Statistical Science Student, Travel Award Session)

• From Consulting to Collaboration to Leadership: Increasing the Impact of Statistical Practice (W. J. Dixon Award Winners) — Invited Panel: Doug Zahn, Zahn & Associates, Dallas Johnson, Kansas State University, Michael Kutner, Emory University, Ronald Snee, Sneee Associates LLC, Frank Harrell, Vanderbilt University

• *A Novel Pseudolikelihood-Based EM Test for Homogeneity in Generalized Exponential Tilt Mixture Models* — Chuan Hong, The University of Texas School of Public Health, Yong Chen, The University of Texas School of Public Health, Yang Ning, Princeton University, Shuang Wang, Columbia University Mailman School of Public Health, Hao Wu, Emory University, Raymond Carroll, Texas A&M University

• *Semiparametric Modeling of Bivariate Recurrent Events* — Jing Yang, Limin Peng, Emory University

• *Semiparametric Bayesian Inference with Correlated Recurrence Time (Gap-Time) Data* — A.K.M Rahman, Emory University, Edsel Pena, University of South Carolina

• *Independent Component Analysis for Large-Scale Discrete Data* — Jian Kang, Ying Guo, Emory University (Ying Guo is Chair and Organizer of the Session)

• *A Comparison of Methods to Address Unmeasured Confounding When Internal or External Validation Data Are Available* — Dane R. Van Domelen, Robert H. Lyles, Emory University, Sunni L. Mumford, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Enrique F. Schisterman, NIH

• *Exploring Exposure Assessment Using EPA Toxic Release Sites in Georgia* — Jeffrey Switchenko, Catherine Bulka, Lance Waller, Christopher Flowers, Emory University

• *Nonparametric Bayesian Model for Spatial Point Processes* — Gavino Puggioni, University of Rhode Island, Lance Waller, Emory University, Luca Gerardo-Giorda, Basque Center for Applied Mathematics, Leslie Real, Emory University

• *A Bayesian High-Dimensional Poisson Graphical Model for Identifying Functional Coactivation Patterns* — Caprichia Jeffers, Emory University, Jian Kang

• *Statistical Approaches for Exploring Brain Connectivity with Multi-Modal Neuroimaging Data* — Phebe Kemmer, Ying Guo, Emory University, DuBois Bowman, Columbia University

• *Estimating Associations Between Source-Apportioned Particulate Matter and Emergency Department Visits in Multicity Studies* — Jenna Krall, James A. Mulholland, Georgia Institute of Technology, Armistead G. Russell, Georgia Institute of Technology, Sivaraman Balachandran, University of Cincinnati, Andrea Winquist, Paige E. Tolbert, Lance Waller, Stefanie Ebelt Sarnat, Emory University

• *A Nonseparable Multivariate Space-Time Model for Analyzing County-Level Heart Disease Death Rates* — Harrison Quick, CDC, Lance Waller, Emory University
• **Structured Sparse Linear Discriminant Analysis** — Sandra Safo, Qi Long, Emory University

• **Rare Variant Association Analysis of Quantitative Traits in Pedigrees of Arbitrary Size and Structure** — Yunxuan Jiang, Michael Epstein, Karen Conneely, Emory University

• **A Probability Model for Comparing Estimates of Influenza Vaccine Effectiveness from Case-Control Studies** — Michael Haber, Qian An, Meng Shi, Emory University

• **Causal Inference Without Control Units** — Konstantin Kashin, Harvard University; Adam Glynn, Emory University