**Department of Biostatistics and Bioinformatics Participation in JSM 2016**

**Sunday 7/31**

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| 2:05 PM | [Integrative Analysis of Transcriptomic and Metabolomic Data via Sparse Canonical Correlation Analysis with Incorporation of Biological Information](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318528) — Sandra Safo, Emory University ; Qi Long, Emory University (CC W177) |
| 4:05 PM | [Bivariate Quantile-Based Calibration of Numerical Model Outputs with Application to Climate Projections](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318595) — **Brooke Alhanti, Emory University** ; Howard Chang, Emory University (CC W175b) |
| 5:05 PM | [A Joint Model for Assessing the Link Between Functional and Structural Brain Connectivity](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320808) — Phebe Kemmer, Emory University Ying Guo, Emory University (CC W177) |
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**Monday 8/1**

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| 9:05 AM | [Analysis of Basketball Shot Data via Log Gaussian Cox Processes with Spatially Varying Coefficients](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320148) — **Qingpo Cai, Emory University** ; Jian Kang, University of Michigan ; Lance Waller, Emory University (CC W175a) |
| 12:05 PM | [Nonparametric Regression Method for Broad Sense Agreement](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320101) — AKM F. Rahman, Emory University ; Limin Peng, Emory University ; Amita Manatunga, Emory University ; Ying Guo, Emory University (CC W177) |

**Tuesday 8/2**

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| 8:35 AM  Poster 10:30-12:20 | [Statistical Methods for Projecting Future Ambient Air Quality Under a Changing Climate](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318395) — Howard Chang, Emory University ; Brooke Alhanti, Emory University ; Stefanie E Sarnat, Emory University ; Xinyi Zhao, Emory University (CC W179a)   |  |  | | --- | --- | |  | [An Efficient and Reliable Statistical Method for Estimating Functional Connectivity in Large-Scale Brain Networks Using Partial Correlation](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320340) — **Yikai Wang, Emory University** (CC Hall F1 West) | |  | [BANFF: An R Package for BAyesian Network Feature Finder](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320277) — **Zhou Lan, North Carolina State University** ; Yize Zhao, Statistical and Applied Mathematical Sciences Institute ; Jian Kang, University of Michigan ; Tianwei Yu, Emory University | | | | |
| 9:25 AM | | | | [A Statistical Approach for Testing Cross-Phenotype Effects of Rare Variants](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318437) — **Michael Epstein, Emory University School of Medicine** |
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| 10:35 AM | | | [Integrative Analysis of Omics Data Across Multiple Conditions Using Tensor Decomposition and Regularization](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320893) — **Eun Jeong Min, Emory University** ; Yijuan Hu, Emory University ; Qi Long, Emory University (CC W194a) | |
| Poster 2-3:50: | | [Bayesian Nonparametric Feature Selection Over Large-Scale Gene Networks with Missing Values](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320273) — **Zhuxuan Jin, Emory University** ; Zhou Lan, North Carolina State University ; Jian Kang, University of Michigan ; Tianwei Yu, Emory University (CC Hall F1 West) | | |
|  | | [Bayesian Nonparametric Feature Selection Over Large-Scale Gene Networks with Missing Values](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320273) — **Zhuxuan Jin, Emory University** ; Zhou Lan, North Carolina State University ; Jian Kang, University of Michigan ; Tianwei Yu, Emory University | | |
| 2:30 PM | [Chromosomal Interaction Patterns Across Multiple Human Cell Types](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318158) — **Zhaohui S. Qin, Emory University** ; Li Li, Emory University ; Vcitor Corces, Emory University (CC W181a) | | | |
| 3:05 PM | [Prediction of Brain Functional Connectivity in Resting-State fMRI Data Using a Bayesian Hierarchical Model](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318844) — Tian Dai, Emory University ; Ying Guo, Emory University (CC W192c) | | | |
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**Wednesday 8/3**

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| 8:45 AM | [Adaptive Estimation of Personalized Maximum Tolerated Doses in Cancer Phase I Clinical Trials According to All Toxicities and Individual Characteristics](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319671) — **Zhengjia Chen, Emory University** ; Zheng Li, Penn State University ; Ying Yuan, MD Anderson Cancer Center ; Michael Kutner, Emory University ; Taofeek Owonikoko, Emory University ; Walter J. Curran, Emory University ; Jeanne Kowalski, Emory University (CC W181a Poster following in CC Hall F1 West) |
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| 9:00 AM | [Identifying the Most Harmful Sources of Ambient Air Pollution to Better Protect Public Health](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318276) — Jenna Krall, Emory University (CC W192a) |
| 11:15 AM | [Statistical and Dynamical Systems Modeling of Real-Time Adaptive M-Intervention for Pain](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319033) — **Chaeryon Kang, University of Pittsburgh** ; Daniel M. Abrams, Northwestern University ; Jingyi (Jessica) Li, University of California at Los Angeles ; Qi Long, Emory University ; Nirmish R. Shah, Duke University (CC W183b) |
| 11:20 AM | [Propensity Score Approach for Multiple Treatment Options and Its Application in Cancer Outcome Research](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319875) — **Yuan Liu** ; Jeanne Kowalski, Emory University ; Theresa Wicklin Gillespie, Emory University (CC W183c) |
| 12:05 PM | [Scalable Bayesian Variable Selection for Structured Data](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=321344) — **Suprateek Kundu, Emory University** ; Changgee Chang, Emory University ; Qi Long, Emory University (CC W177) |
| WL20: | [Strategies for Becoming an Effective Statistical Leader of Interdisciplinary Research Teams](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319977) — **Renee Moore, Emory University** ; Jesse Chittams, University of Pennsylvania (Fee Event: Roundtable) |
| 3:25 PM | [Estimating and Accounting for Tumor Purity in Methylation Microarray Analysis](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320698) — **Hao Wu, Emory University** (CC W178a) |

**Thursday 8/4**

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| 8:55 AM | [Integrative Analysis of Sequencing and Array Genotype Data for Discovering Disease Associations with Rare Mutations](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320955) — Yijuan Hu, Emory University ; Yun Li, The University of North Carolina at Chapel Hill ; Paul Auer, University of Wisconsin - Milwaukee ; Danyu Lin, The University of North Carolina at Chapel Hill (CC W186c) |
| 8:55 AM | [A Bayesian Approach for Envelope Models](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319722) — **Zhihua Su** ; Kshitij Khare, University of Florida ; Subhadip Pal, Emory University (CC W192c) |
| 9:50 AM | [The New Normal: Exploring the Impact of American Community Survey Demographics on Small-Area Health Studies](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=318196) — **Lance Waller, Emory University** (CC W194b) |
| 10:50 AM | [Nonparametric Imputation for Nonignorable Missing Data](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=320712) — **Domonique Watson, Emory University** ; Qi Long, Emory University (CC W179b) |
| 11:35 AM | [Statistical Methods for Assessing Reproducibility in Multicenter Neuroimaging Studies](https://www.amstat.org/meetings/jsm/2016/onlineprogram/AbstractDetails.cfm?abstractid=319714) — Ying Guo, Emory University ; Tian Dai, Emory University ; Limin Peng, Emory University ; Amita Manatunga, Emory University (CC 187c) |