● Themed Session ■ Applied Session ✦ Presenter   CC-Washington State Convention Center   S-Sheraton Seattle   GH-Grand Hyatt   TCC-The Conference Center

● Them

3:05 p.m. My Food and Beverage Industry Experience as a Statistician—✦Chun-Yen Cochrane, Hill's Pet Nutrition

3:25 p.m. Disc: Michael Carniello, Astellas

3:45 p.m. Floor Discussion

591 — CC-213

■ ● **Large-Scale Spatial Processes: Fundamentals, New Developments, Applications—Topic-Contributed**
Section on Statistics and the Environment

Organizer(s): Sucharita Ghosh, Swiss Federal Research Institute WSL

Chair(s): Sucharita Ghosh, Swiss Federal Research Institute WSL

2:05 p.m. A Quasi-Likelihood Approach to Zero-Inflated Spatial Count Data—✦Anthea Monod

2:25 p.m. Application of Karhunen-Loeve Expansion for Multivariate Spatial Processes—✦Hao Zhang, Purdue University

2:45 p.m. Spatially Varying SAR Models and Bayesian Inference for High-Resolution Lattice Data—✦Chiranjit Mukherjee, Google; Prasad S. Kasibhatla, Duke University; Mike West, Duke University

3:05 p.m. On Parametric and Nonparametric Estimation of the Dependence Function in Multivariate Extremes—✦Sabrina Vettori, KAUST; Raphael Huser, KAUST; Marc Genton, KAUST

3:25 p.m. Disc: Jan Beran, University of Konstanz

3:45 p.m. Floor Discussion

592 — CC-615

● **Response-Adaptive Randomization: Recent Developments and Controversies—Topic-Contributed**
Biopharmaceutical Section, International Chinese Statistical Association, International Indian Statistical Association

Organizer(s): Brian Hobbs, MD Anderson Cancer Center

Chair(s): Peter F. Thall, MD Anderson Cancer Center

2:05 p.m. Response-Adaptive Randomization: Recent Developments and Controversies—✦J. Jack Lee, MD Anderson Cancer Center; Nan Chen, MD Anderson Cancer Center

2:25 p.m. Group Response-Adaptive Randomization in Clinical Trials—✦Feifang Hu, The George Washington University; Yang Li, Renmin University of China; Lixin Zhang, Zhejiang University

2:45 p.m. Novel Response-Adaptive Randomization Designs for Clinical Trials with Time-to-Event Outcomes—✦Oleksandr Sverdlov, EMD Serono

3:05 p.m. Some Caveats for Outcome Adaptive Randomization in Clinical Trials—✦Patricia Fox, McKesson Specialty Health

3:25 p.m. SMART with Adaptive Randomization for Quality Improvement in Depression Treatment Program—✦Ken Cheung, Columbia University; Bibhas Chakraborty, Duke University; Karina Davidson, Columbia University

3:45 p.m. Floor Discussion

593 — CC-4C3

■ ● **GSS Data Challenge 2015—Topic-Contributed**
Government Statistics Section, Survey Research Methods Section

Organizer(s): Wendy Martinez, Bureau of Labor Statistics

Chair(s): Wendy Martinez, Bureau of Labor Statistics

2:05 p.m. Tailoring Outreach to Boost Mail Self-Response in Geographic Areas with Similar Low Response Scores—✦Darryl Creel

2:25 p.m. Exploring the Census Bureau's 2014 Planning Database Using Topological Data Analysis—✦Robert Baskin

2:45 p.m. Informing Natural Disaster Response with Census Data—✦Jonathan Auerbach; Christopher Eshleman, New York City Council

3:05 p.m. Optimizing Survey Cost-Error Tradeoffs: A Multiple Imputation Strategy Using the Census Planning Database—✦Shin-Jung Lee, University of Michigan

3:25 p.m. Disc: Jill Montaquila, Westat

3:45 p.m. Floor Discussion

594 — CC-619

■ **Statistical Phylogenetics—Topic-Contributed**
Biometrics Section, WNAR, Section on Bayesian Statistical Science, International Indian Statistical Association

Organizer(s): Arindam RoyChoudhury, Columbia University

Chair(s): Vladimir Minin, University of Washington

2:05 p.m. A Probabilistic Model for Gene Family Evolution—✦Liang Liu, University of Georgia; Jing Zhao, University of Georgia; David Liberles, Temple University; Ashley Teufel, Temple University; Lili Yu, Georgia Southern university

2:25 p.m. Anomalous Unrooted Gene Trees—✦James Degnan

2:45 p.m. Statistically Consistent K-Mer Methods for Phylogenetic Tree Reconstruction—✦Seth Sullivant, North Carolina State University; Elizbeth Allman,