Bayesian Modeling, Computation, and Applications
A Conference in Honor of Lynn Kuo
Agenda – May 12 @ UCONN

9:00 **Registration at Laurel Hall 101**

9:30 **Open Remarks**
   Ming-Hui Chen & Dipak Dey, University of Connecticut

9:45 **Keynote Session**
   A Conditional Density Estimation Partition Model Using Logistic Gaussian Processes
   Bani Mallick, Texas A&M University

10:30 **Break**

10:40 **Session 1: Advanced Statistical Methods for Multivariate and High-Dimensional Data**
   Bayesian Modeling of Sparse High-Dimensional Data using Divergence Measures
   Dipak Dey, University of Connecticut
   A Correlated Bayesian Rank Likelihood Approach to Multiple ROC Curves for Endometriosis
   Zhen Chen, NIH
   A Mixture Model and an Empirical Bayes Approach to Detect Edges in Sparse Co-expression Graphs
   Haim Bar, University of Connecticut
   Statistical Learning for Biomedical Data Integration and Analysis
   Yuping Zhang, University of Connecticut

12:00 **Lunch**

1:30 **Session 2: Bayesian Modelling and Application**
   On Spatial Disease Mapping
   Sudipto Banerjee, UCLA
   Finite Population Unequal Probability Bayesian Bootstraps and Multiple Imputation
   Mike Cohen, American Institutes for Research
   A Bayesian Regularized Mediation Analysis with Multiple Exposures
   Yubo Wang, NIH
   Bayesian Joint Modelling of Response Times with Dynamic Latent Ability in Educational Testing
   Xiaojing Wang, University of Connecticut

2:50 **Social Mixing**

3:40 **Session 3: Statistical Application in Clinical Trial and Studies**
   An Innovative Design to combine a PoC Study with Dose Range
   Naitee Ting, Boehringer Ingelheim Pharmaceuticals, Inc
   Statistical Methods for Evaluating Diagnostic Devices
   Changhong Song, FDA
   Use of the VG (Virtual Twins combined with GUIDE) Method in Development of Precision Medicines
   Wangang Xie, AbbVie Inc.
   A multi-stage stochastic model in the analysis of longitudinal dementia data
   Qi Qi, University of Connecticut

5:00 **Depart for banquet dinner**