

2009 Biostatistics Student Research Day Program at a Glance

Monday August 10, 2009 (Alumni House)

- 9:00 – 9:20 **Morning social**
- 9:20 – 9:30 **Welcoming remarks**
- 9:30 – 9:50 **Cost and accuracy comparisons in medical testing using sequential testing strategies**
Anwar Ahmed
Faculty advisors: Donna McClish/Christine Schubert
- 9:50 – 10:10 **Using patient data as a QC tool: Does a reagent change affect similar shifts in patient and QC assays**
Tina Cunningham
Faculty advisor: Robert E. Johnson
- 10:10 – 10:30 **Identification of determining factors on childhood obesity**
Amber Wilk
Faculty advisor: Yongyun Shin
- 10:30 – 10:50 **Break**
- Poster Presentation: **Impact of Marital Status on Vegetable Consumption Among Men**
Adia A. Coleman
Faculty Advisor: Irene Lubker, MLS, MPH, R.D.
- 10:50 – 11:10 **Statistical methods for methylation beadarrays**
Maria Agapis
Faculty advisor: Kellie J. Archer
- 11:10 – 11:30 **Detection call algorithms for high-throughput gene expression microarray data**
Sarah Reese
Faculty advisor: Kellie J. Archer
- 11:30 – 11:50 **An inferential approach for one-sample gene network comparisons: assessing dissimilarity via a resampled local covering metric**
Phillip Yates
Faculty advisor: Nitai Mukhopadhyay
- 11:50 – 1:30 **Lunch**
- 1:30 – 1:50 **Effects of chemical mixture exposure on hormone networks**
Stephanie Pearson
Faculty advisor: Roy Sabo
- 1:50 – 2:10 **The influence of race/ethnicity on neurobehavioral problems in individuals with traumatic brain injury**
Caroline Carr
Faculty advisor: Jessica Ketchum
- 2:10 – 2:30 **Investigating Euclidean distance as a similarity measures for determining sufficient similarity in dose response in clinical methods: A child care center study**
Scott Marshall
Faculty advisor: Chris Gennings

2009 Biostatistics Student Research Day Program at a Glance

Tuesday August 11, 2009 (Alumni House)

- 9:00 – 9:20 **Morning social**
- 9:20 – 9:30 **Welcoming remarks**
- 9:30 – 9:50 **Evaluation of the International/Inner City / Rural Preceptorship (I2CRP) program**
Yan Jin
Faculty advisor: Robert E. Johnson
- 9:50 – 10:10 **Comprehensive analysis of progressively downregulated genes in liver cancer**
Tobias Guennel
Faculty advisor: Kellie J. Archer
- 10:10 – 10:30 **Logit-based and constraint-based models**
Andre Williams
Faculty advisor: Kellie J. Archer
- 10:30 – 10:50 **Break**
- 10:50 – 11:10 **Bayesian approaches for estimation of tolerable region in multiple endpoints and multiple hazards exposure**
Epiphane Nyirabahizi
Faculty advisor: Chris Gennings
- 11:10 – 11:30 **Deriving optimal composite scores: relating observational/longitudinal data with a primary endpoint**
Rhonda Ellis
Faculty advisor: Chris Gennings
- 11:30 – 11:50 **Comparisons of normalization methods on four major microarray**
Jiayi Hou
Faculty advisor: Mark Reimers
- 11:50 – 1:30 **Lunch**
- 1:30 – 1:50 **Psychological impact of class II relationships in the mixed dentition**
Adam Sima
Faculty advisor: Al Best
- 1:50 – 2:10 **The onset of maturation marks changes in body composition and metabolic risk factors for boys and girls**
Bob Carrico
Faculty advisor: Shumei Sun