P01/Environmental Stat Retreat  
Friday, October 18, 2013  
Wall Room  
Wellesley College Club  
727 Washington St, Wellesley, MA  
http://www.wellesleycollegeclub.com/index.html

**Thursday, Oct 17**

**6:15 pm**  
EAC Dinner - Blue Ginger, 583 Washington St., Wellesley, MA, Tel 718-283-5790

**Friday, October 18**

**8:30 – 9:00 am**  
Breakfast

**9:00 - 9:30 am**  
Welcome, Introduction, and Overview of P01 - Xihong Lin and Francesca Dominici, Professors of Biostatistics

**9:30 - 11:00 am**  
Project 1: Statistical Methods for the Spatio-temporal Assessment of Social Disparities in Cancer
  
o  Overview - Brent Coull, Professor of Biostatistics
  
o  Talk 1 – Lauren Hund, Assistant Professor, University of New Mexico  
  “Addressing Statistical Uncertainty Associated with Denominator Uncertainty and Temporal Misalignment in Spatial Regression Studies”
  
o  Talk 2 – Sebastien Haneuse, Associate Professor of Biostatistics  
  “Data augmentation strategies to adjust for selection bias in EHR-based studies of comparative effectiveness”
  
o  Talk 3 – Linda Valeri, Postdoc Research Fellow  
  "Collider Stratification in Causal Mediation Analysis"
  
o  Discussion

**11:00 - 11:20 am**  
Break

**11:20 - 12:20 am**  
Project 2: Methods for Comparative Effectiveness Research in Cancer (Miguel Hernan)
Overview – Miguel Hernan, Professor of Epidemiology

Talk 1 – Corwin Zigler, Assistant Professor of Biostatistics
“Estimating the causal effect of surgical resection on patient-centered outcomes for elderly Glioblastoma patients using Bayesian model-averaged propensity scores”

Talk 2 – Xabier Garcia-De-Albeniz, Postdoctoral Research Fellow
"Treatment Initiation in Prostate Cancer"

Discussion

12:20 - 1:20 pm  Lunch

1:20 - 2:05 pm  Project 2 continues

Talk 3 – Matt Cefalu, Postdoctoral Research Fellow
“A Model Averaged Double Robust Estimator?”

Talk 4 – Anders Huitfeldt, Student
"Dynamic strategies to determine interval between colonoscopies"

Discussion

2:05 - 2:25 pm  Break

2:25 - 4:15 pm  Project 3 – Statistical Methods for Analysis of Next Generation Sequencing Data in Cancer Genetic Epidemiological Studies (Xihong Lin)

Overview - Xihong Lin, Professor of Biostatistics

Talk 1 – Peter Kraft, Professor of Epidemiology
“Whole Genome Sequencing of Germline DNA from Cancer Cases: Challenges and Opportunities”
Talk 2 – Cindy Lin, Research Assistant
“Testing for Rare SNV by Environment Interactions”

Talk 3 – Yuanyuan Shen, Research Assistant
"Sparse Kernel Machine Regression for Ordinal Outcomes"

Talk 4 – Yen-Tsung Huang, Assistant Professor, Dept. of Epidemiology, Brown University
“Integrative Modeling of Multi-platform Genomic Data”

Talk 5 – Tyler VanderWeele, Professor of Epidemiology
“Methodological Challenges in Mendelian Randomization”

Discussion

4:15 – 4:30 pm Break

4:30 - 5:15 pm EAC/P01 Faculty Executive Session – Council Library Room
Students and Postdocs – Career Mentoring Movie – Wall Room

5:15 - 6:30 pm Walk around Lake Waban

6:30 pm Dinner at Xihong Lin’s house (41 Upson Rd, Wellesley, 781-431-6498)