

Philip S. Boonstra

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Education

Ph.D. in Biostatistics, University of Michigan (Ann Arbor) <i>Advisors: Jeremy M G Taylor and Bhramar Mukherjee</i>	<i>expected Summer, 2012</i>
M.S. in Biostatistics, University of Michigan (Ann Arbor)	April 2009
B.A. in Mathematics and Political Science, Calvin College (Grand Rapids, MI)	May 2006

Honors & Fellowships

Rackham Predoctoral Fellowship (University of Michigan)	2011 - 2012
Rackham Conference Travel Grant (UM)	2010, 2011
Rackham Regents' Fellowship (UM)	2009 - 2011
NIH Predoctoral Research in the Biosciences Training Grant (UM)	2007 - 2009
1st Place, Michigan Autumn Take Home (MATH) Challenge (Calvin College) Competition Website	2005
Dean's List (GPA > 3.5/4.0) (Calvin)	2002 - 2006
Presidential Scholarship (Calvin)	2002 - 2006

Professional Experience

Research

Graduate Student Research Assistant (Dept. of Biostatistics, University of Michigan)	Summers 2009 - 2011
Graduate Student Research Assistant (Kidney and Epidemiology Cost Center, UM)	Summers 2008, 2009
Summer Research Assistant (Dept. of Mathematics and Statistics, Calvin College)	Summers 2004, 2006

Teaching

Teaching Assistant and Grader (Calvin College) for calculus, discrete mathematics, and linear algebra courses	2004 - 2005
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Publications

1. Bondarenko I*, **Boonstra PS***, Mukherjee B (2011). "Propensity score based graphical model diagnostics for categorical response regression models." *In Preparation* *Equal contribution authors
2. **Boonstra PS**, Taylor JMG, Mukherjee B (2011). "Incorporating auxiliary information for improved prediction in high dimensional datasets: An ensemble of shrinkage approaches." Submitted to *Biostatistics*
3. **Boonstra PS**, Mukherjee B, Taylor JMG, Nilbert M, Moreno V, and Gruber SB (2011). "Bayesian modeling for genetic anticipation in presence of mutational heterogeneity: A case-study in hereditary non-polyposis colorectal cancer (Lynch syndrome)." *Biometrics* 67(4), 1627-1637.
4. **Boonstra PS**, Gruber SB, Raymond VM, Huang SC, Timshel S, Nilbert M, and Mukherjee B (2010). "A review of statistical methods for testing genetic anticipation: Looking for an answer in Lynch syndrome." *Genetic Epidemiology* 34(7), 756-768.
5. Saran R , Hedgeman E, Plantinga L, Burrows NR, Gillespie BW , Young EW , Coresh J , Pavkov M , Williams D, and Powe NR, for **the CKD Surveillance Team** (2010). "Establishing a National Chronic Kidney Disease Surveillance System for the United States." *Clinical Journal of the American Society of Nephrology* 5, 152-161.

Conference and Seminar Presentations

- Prediction with high-dimensional data: A brief foray into biostatistics.* Calvin College, Department of Mathematics & Statistics Colloquium, Grand Rapids, MI. (Dec 2011)
- Incorporating auxiliary information for improved prediction in high dimensional datasets: An ensemble of shrinkage approaches.* Conference on Risk Assessment and Evaluation of Predictions, Silver Spring, MD. (Oct 2011)
- Incorporating auxiliary information for improved prediction in high dimensional datasets: An ensemble of shrinkage approaches.* 2011 Joint Statistical Meetings, Miami Beach, FL. (Aug 2011)
- Bayesian modeling for genetic anticipation in presence of mutational heterogeneity: A case-study in Lynch Syndrome.* University of Michigan, Dept. of Biostatistics, BIOS 682: Applied Bayesian Inference, Ann Arbor, MI. (Apr 2011)
- Bayesian modeling for genetic anticipation in presence of mutational heterogeneity: A case-study in Lynch Syndrome.* 2010 Joint Statistical Meetings, Vancouver, BC. (Aug 2010)
- A review of statistical methods for testing genetic anticipation: looking for an answer in Lynch Syndrome.* Molecular Epidemiology of Colorectal Cancer Investigators' Meeting, Ann Arbor, MI. (Oct 2009, Jun 2010)
- UM, Dept. of Biostatistics Journal Club, Ann Arbor, MI. (Mar 2008, Nov 2010)

Academic Service

Reviewer for *Genetic Epidemiology*

Bioinformatics/Statistical Genetics Faculty Search Committee
(University of Michigan)

Fall 2010 - Winter 2011

Memberships

American Statistical Association

since 2010

International Biometrics Society (Eastern North American Region)

since 2011

Last updated: February 8, 2012