

Jared C. Foster, PhD

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Education

PhD, Biostatistics, University of Michigan, Ann Arbor, 2013.

Advisors: Jeremy M.G. Taylor and Bin Nan

MS, Biostatistics, University of California, Los Angeles, 2008.

BS, Applied Mathematics, University of Wisconsin-Parkside, 2006.

Research and Professional Experience

IRTA Postdoctoral Fellow, Biostatistics and Bioinformatics Branch, Division of Intramural Population Health Research, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, Sept. 2013 – present.

Consultant, “Identification of subgroups with enhanced behavioral intervention effects” (P.I. Patrick Monahan), Indiana University Department of Biostatistics, Aug. 2012 – Aug. 2013.

Graduate Student Research Assistant, University of Michigan, Ann Arbor, Biostatistics Department, Sept. 2011 – Aug. 2013.

Trainee, NIH Biostatistics Training in Cancer Research Grant, University of Michigan, Ann Arbor, Biostatistics Department, Sept. 2008 – Aug. 2011.

Research Specialist, University of Wisconsin-Milwaukee, Department of Industrial Engineering, June 2008 – Aug. 2008.

Graduate Student Research Assistant, The Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA, April 2008 – July 2008.

Awards

ENAR Distinguished Student Paper Award (2013)

Memberships

American Statistical Association

International Biometric Society, ENAR

Publications

Zhang, J, Lee, J, Urba, S, **Foster, J** and Worden, F (2010), A phase II trial evaluating weekly docetaxel and capecitabine in patients with metastatic or advanced, locally recurrent head and neck cancers, *Cancer Investigation*, 28(9):910-6.

Foster, JC, Taylor, JMG and Ruberg, SJ (2011), Subgroup identification from randomized clinical trial data, *Statistics in Medicine*, 30(24):2867-2880.

Foster, JC, Taylor, JMG and Nan, B (2013), Variable selection in monotone single-index models via the adaptive LASSO, *Statistics in Medicine*, doi: 10.1002/sim.5834

Mason, H, DeRubeis, MB, **Foster, JC**, Taylor, JMG, Friese, C and Worden, FP (2013), Outcomes Evaluation of a Weekly Nurse Practitioner-Managed Symptom Management Clinic for Patients with Head and Neck Cancer Treated with Chemoradiotherapy, *Oncology Nursing Forum*, doi: 10.1188/13.ONF.40-06AP.

Waterman, J, Nadeem, E, Paczkowski, E, **Foster, J**, Lange, J, Belin, TR and Miranda, J (2013), Pre-Placement Risk and Longitudinal Cognitive Development for Children Adopted from Foster Care. (accepted, *Child Welfare*).

Conference Presentations

“Subgroup Identification in Randomized Clinical Trial Data Using Random Forests and Regression Trees”, JSM (topic contributed), 2013, Montreal, Canada.

“Subgroup identification using Virtual Twins and extensions”, Novartis Biostatistics Workshop (invited), June 2013, East Hanover, NJ.

“Variable Selection in Monotone Single-Index Models Via the adaptive LASSO”, ENAR, 2013, Orlando, FL.

“Variable Selection in Monotone Single-Index Models via the Adaptive Lasso”, JSM, 2012, San Diego, CA.

“Subgroup Identification Using Random Forests and Regression Trees”, Conference on Statistical Learning and Data Mining (invited), 2012, Ann Arbor, MI.

“Identifying Subgroups in Clinical Trials Via Random Forests and Regression Trees”, Conference on Multiple Comparison Procedures (invited), 2011, Washington, DC.

“Variable Selection in Monotone Single-Index Models Via the Lasso”, ENAR, 2011, Miami, FL.

“Finding and Validating Subgroups in Clinical Trials”, Michigan Student Symposium for Interdisciplinary Statistical Sciences (poster), 2010, Ann Arbor, MI.

“Finding and Validating Subgroups in Clinical Trials”, ENAR (poster), 2010, New Orleans, LA.

Professional Service

Reviewer, *Journal of Biopharmaceutical Statistics*; *Statistics in Medicine*.