

CONTACT INFORMATION	<i>Physical Address</i> Department of Biostatistics Vanderbilt School of Medicine 2525 West End, Ste. 11000 Nashville, TN 37203	<i>Phone</i> 615.521.6300 <i>Email</i> sarah.fletcher@vanderbilt.edu
EDUCATION	<i>PhD Candidate</i> , Biostatistics, Vanderbilt University, Nashville, Tennessee <i>Bachelor of Arts</i> , Mathematics, Colorado College, Colorado Springs, Colorado	Est. 5.2016 5.2010
STATISTICAL INTERESTS	Missing data, prediction models, large scale inference, statistical genetics, and bayesian methods. Other areas of interest include statistical computing, and graphical methods	
COMPUTING EXPERIENCE	<i>Statistical Programming</i> : R, Stata, Python <i>Languages / Suites</i> : Linux & Windows Platforms, Office	
EMPLOYMENT	<i>Biostatistician I</i> , Department of Biostatistics, Vanderbilt University - Collaborative statistician with ObGyn Dept. at Vanderbilt University - Implemented planned analyses, using statistical software packages R and Stata - Presented comprehensible reports detailing analysis methods and results to clinicians - Created optimal graphics to display results of analysis - Edited manuscripts, presentations, and posters for statistical accuracy and overall clarity	6.2010 - 8.2011
ACADEMIC / RESEARCH EXPERIENCE	<i>Vanderbilt University</i> , Nashville, Tennessee Research Assistant Advisor: Jeffrey Blume - Dealing with missing data in the prediction model application phase - Work with thoracic surgery Dept. with development of lung cancer prediction model - Large scale inference and false discovery rate research. <i>Colorado College</i> , Colorado Springs, Colorado Research Experience for Undergraduates Integrative Cancer Biology Intern at Vanderbilt University Advisors: Shawn Garbett Project: "Quantification of error in automated cell tracking applied to cancer cell proliferation"	1.2013-Present 5.2009-8.2009
PUBLICATIONS IN PRINT	<ol style="list-style-type: none"> 1. Davis, W., S. Fletcher, and O. Guillaumondegui. Musculoskeletal occupational injury among surgeons: effects for patients, providers, and institutions. <i>Journal of Surgical Research</i>. 2014; 189: 207-212. 2. Wilson, A., A. Liu, J. Roland, O. Adebayo, S. Fletcher, J. Slaughter, J. Saskowski, M. Crispens, H. Jones and J. Samuel, and others. TR3 modulates platinum resistance in ovarian cancer. <i>Cancer research</i>. 2013; 73: 4758-4769. 3. Fleming, G., S. Walters, S. Goldstein, S. Alexander, M. Baum, D. Blowey, T. Bunchman, A. Chua, S. Fletcher, F. Flores, and others. Nonrenal indications for continuous renal replacement therapy: a report from the Prospective Pediatric Continuous Renal Replacement Therapy Registry Group. <i>Pediatric Critical Care Medicine</i> <i>Cancer research</i>. 2012; 13: e299-e304. 4. Cost-Effectiveness of Initial Diagnostic Strategies for Pulmonary Nodules Presenting to Thoracic Surgeons. 5. Deppen, S., J. Blume, M. Aldrich, S. Fletcher, M. Pierre, R. Walker, H. Chen, T. Speroff, C. Necessary, R. Pinkerman, E. Lambright, J. Nesbitt, J. Putnam, and E. Grogan. Predicting lung cancer prior to surgical resection in patients with lung nodules. <i>Journal of Thoracic Oncology</i>. October 2014-Volume 9-Issue 10. pp: 1419-1585. 6. Danford, J., N. White, M. New, S. Fletcher, J. Blume, and R. Ward. The Fellowship Effect: How the Establishment of an FPMRS Fellowship Affected Resident Vaginal Hysterectomy Training. <i>The American Journal of Obstetrics and Gynecology</i>. Volume 211 , Issue 5 , 559.e1 - 559.e6 	

UNDER REVIEW

5. Gupta, C., S. Bell, J. Schildcrout, **S. Fletcher**, K. Goggins, and S. Kripalani. Predictors of Healthcare System and Physician Distrust in Hospitalized Cardiac Patients. *Journal of Health Communications* 2014.

ABSTRACTS

7. **S. Fletcher**. Using clinical models at the bedside: Overcoming the conundrum of missing data. The 20th IEA World Congress of Epidemiology. Anchorage, AK, August, 2014.
8. Iverson, C., and **S. Fletcher**. Global African ancestry is not associated with lung cancer survival. The 105th Annual Meeting of the American Association for Cancer Research. San Diego, CA, April, 2014.

PRESENTATIONS

9. **Fletcher, S.** Large Scale Inference: The False Discovery Rate and Empirical Bayes Methods for Estimation. Thoracic Surgery Research Group, Vanderbilt University, Nashville, February, 2014.
10. **Fletcher, S.** Implementing a Web-based TREAT model when a patient has missing covariates. Thoracic Surgery Research Group, Vanderbilt University, Nashville, July, 2013.