

Curriculum Vitae

STEPHANIE DENKHOFF BOONE

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EDUCATION

Doctor of Philosophy, Public Health

Concentration: Epidemiology and Population Health

School of Public Health and Information Sciences

University of Louisville, KY

Specialization: Breast Cancer Research

Minor: Biostatistics

Dissertation: *“TGF- β Signaling Pathway, ER- α and the Heterogeneity of Breast Cancer Risk among Hispanic and Non-Hispanic White Women”*

Dissertation Committee Chair and Mentor: Dr. Kathy B. Baumgartner

Graduation date: May 11, 2013

Master of Public Health

Concentration: Epidemiology and Population Health

School of Public Health and Information Sciences

University of Louisville, KY

Practicum: *‘Evaluation of the Support Services among Children Diagnosed with Leukemia and Lymphoma: The Leukemia & Lymphoma Society, Kentucky & Southern Indiana Chapter’*

Mentor: Dr. Kathy B. Baumgartner

Graduation date: May 10, 2008

Bachelor of Science, cum laude

Spalding University, Louisville, Kentucky

Major: Biology

Minor: Chemistry

Graduation date: June 24, 2006

AWARDS, SCHOLARSHIPS, AND HONORS

2015 Research! Louisville, University of Louisville, Public Health Research & Practice, 1st place
2014 Research! Louisville, University of Louisville, Public Health Research & Practice, 1st place
2013 American College of Epidemiology Associate Member Travel Award, Abstract 1st place
2013 Dean’s Citation Award, University of Louisville
2013 Dissertation Completion Award, University of Louisville, Graduate School
2012 Sponsored Research Tuition Award, University of Louisville, Graduate School
2011 Research! Louisville, University of Louisville Health, Public Health Student, 1st place
2010-2013 Susan B. Komen, Dissertation Training Grant Recipient, University of Louisville
2009-2013 Graduate Research Assistantship, University of Louisville
2003-2006 Caritas Award, Spalding University
2004-2006 Larry Hamfeldt Scholarship, Spalding University
Carlton Froess Award, Spalding University
2002-2006 Honors List (Minimum 3.5 GPA), Spalding University
2003-2006 Kentucky Intercollegiate Athletic Conference All-Academic Team, Spalding University

WORK EXPERIENCE

Postdoctoral Associate, August 2013-present

School Public Health and Information Sciences
James Graham Brown Cancer Center
University of Louisville

Description: focus on various aspects of cancer epidemiology including: data analysis for meeting abstracts and manuscript publications; Mentored Research Career Development grant submission, collaboration in generating future research initiatives, co-developing an epidemiology course(s), and serve as a laboratory manager and human subjects research coordinator for faculty mentors.

Graduate Research Assistant, August 2009-May 2013

School of Public Health and Information Sciences
University of Louisville

Description: continuation of work on the research study “*New Mexico Women’s Health Study: Long Term Quality of Life Phase*”. There was extensive preparation of annual reports of findings and the final documents, manuscripts, and abstracts for submission to NIH, related journals, and conferences, respectfully. Training in laboratory techniques such as Real-Time PCR was made available for completion of dissertation objectives.

Program Coordinator, Sr., May 2008 – July 2009

School of Public Health and Information Sciences
University of Louisville

Description: overseeing all aspects, and coordinating the research study: “*The New Mexico Women’s Health Study: Long Term Quality of Life Phase*” including; staff and data management. There was extensive involvement with the design and development of materials useful to study (required skills in SAS, Oracle, Microsoft Word, Excel, and Access). Develop, implement, and coordinate data collection efforts with staff, as well as collaborate with outside agencies such as a tumor registry and the National Death Index. Identify resources, collect data, develop protocols and data dictionaries, enter and analyze data, and assist in preparing summaries. Work with program faculty and staff to monitor progress on the established project goals and objectives. Coordinate submissions to Institutional Review Board.

Research Assistant, September 2007-April 2008

School of Public Health and Information Sciences
University of Louisville

Description: part-time assistance with NIH funded grant (R01, Principle Investigator: Dr. Kathy Baumgartner): “*The New Mexico Women’s Health Study: Long Term Quality of Life Phase*”: interviewing participants, data entry and tracking, and assistance with design and development of materials useful to study.

PROFESSIONAL DEVELOPMENT

1. Attendance to the American Association for Cancer Research (AACR) **Integrative Molecular Epidemiology Workshop** held August 11–15, 2014 in Boston, Massachusetts. Only 50 individuals from a large pool of applicants were invited to attend this five-day workshop. The training was designed to accelerate the training of the next generation of cancer researchers who must be well-skilled in the integration of biology and epidemiology in studies of etiology and outcome.
2. Contributor to book chapter publication, December 2009-January 2014 “**The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General, 2014**” *Release Date, January*

2014. [Breast Cancer, Chapter 6]. Primary authors: Baumgartner KB (UofL), Baumgartner RN (UofL), Visvanathan, K (Johns Hopkins). Responsibilities included: literature synthesis, preparing evidence tables, summarizing literature, rechecking table entries and STATA data for conduction of meta-analyses.

MANUSCRIPTS-Published

1. **Boone, S. D.**, Pinkston, C. M., Baumgartner, K. B., Baumgartner, R. N., Harper, S. M., Bonham, A. J., Paynter, C.A., Harper, D. M. (2016). Associations between prior HPV4 vaccine doses and cervical cancer screening participation. *Cancer Epidemiol*, 42, 108-114.
2. **Boone SD**, Baumgartner KB, Baumgartner RN, Connor AE, John EM, Giuliano AR, et al. Active and passive cigarette smoking and mortality among Hispanic and non-Hispanic white women diagnosed with invasive breast cancer. *Ann Epidemiol*. 2015; 25(11):824-31.
3. **Boone, S. D.**, K. B. Baumgartner, R. N. Baumgartner, A. E. Connor, C. M. Pinkston, S. N. Rai, E. C. Riley, L. M. Hines, A. R. Giuliano, E. M. John, M. C. Stern, G. Torres-Mejia, R. K. Wolff and M. L. Slattery (2014). "Associations between CYP19A1 polymorphisms, Native American ancestry, and breast cancer risk and mortality: the Breast Cancer Health Disparities Study." *Cancer Causes Control* 25(11): 1461-1471.
4. **Boone SD**, Baumgartner KB, Baumgartner RN, Connor AE, Pinkston CM, John EM, Hines LM, Stern MC, Giuliano AR, Torres-Mejia G, Brock GN, Groves FD, Kerber RA, Wolff RK, Slattery ML. (2013) "Associations between genetic variants in the TGF-beta signaling pathway and breast cancer risk among Hispanic and non-Hispanic white women." *Breast Cancer Res Treat* 141 (2):287-297.
5. **Boone, S. D.**, K. B. Baumgartner, N. E. Joste, C. M. Pinkston, D. Yang and R. N. Baumgartner (2013). "The joint contribution of tumor phenotype and education to breast cancer survival disparity between Hispanic and non-Hispanic white women." *Cancer Causes Control* 25(3): 273-282.

Co-authored manuscripts published:

6. Connor, A. E., Visvanathan, K., Baumgartner, K. B., Baumgartner, R. N., **Boone, S. D.**, Hines, L. M., Wolff, R. K., John E. M., Slattery, M. L. (2016). Ethnic differences in the relationships between diabetes, early age adiposity and mortality among breast cancer survivors: the Breast Cancer Health Disparities Study. *Breast Cancer Res Treat*. 26 April 2016 [Epub ahead of print].
7. Kim AE, Lundgreen A, Wolff RK, Fejerman L, John EM, Torres-Mejia G, Ingles SA, **Boone SD**, Connor AE, Hines LM, Baumgartner KB, Giuliano A, Joshi AD, Slattery ML, Stern MC. Red meat, poultry, and fish intake and breast cancer risk among Hispanic and Non-Hispanic white women: The Breast Cancer Health Disparities Study. *Cancer Causes Control*. 2016; 27(4).
8. Connor AE, Baumgartner KB, Baumgartner RN, Pinkston CM, **Boone SD**, John EM, Torres-Mejia G, Hines LM, Giuliano AR, Wolff RK, Slattery ML. Cigarette Smoking and Breast Cancer Risk in Hispanic and Non-Hispanic White Women: The Breast Cancer Health Disparities Study. *J Womens Health (Larchmt)*. 2016; 25(3):299-310.

9. Connor AE, Baumgartner RN, Pinkston CM, **Boone SD**, Baumgartner KB. (2015) "Obesity, Ethnicity, and Quality of Life among Breast Cancer Survivors and Women without Breast Cancer: the Long-Term Quality of Life Follow-up Study". *Cancer Causes and Control*: 27(1):115-24.
10. Connor, A. E., R. N. Baumgartner, K. B. Baumgartner, C. M. Pinkston, **S. D. Boone**, E. M. John, G. T. Mejia, L. M. Hines, A. R. Giuliano, R. K. Wolff and M. L. Slattery (2015). "Associations between ALOX, COX, and CRP polymorphisms and breast cancer among Hispanic and non-Hispanic white women: The breast cancer health disparities study." *Mol Carcinog* 54(12): 1541-1553.
11. Pinkston CM, Baumgartner RN, Connor AE, **Boone SD**, Baumgartner KB. Physical activity and survival among Hispanic and non-Hispanic white long-term breast cancer survivors and population-based controls. *J Cancer Surviv.* 2015;9(4):650-9.

MANUSCRIPTS-In Progress

1. **Stephanie D. Boone**, Kathy B. Baumgartner, Richard N. Baumgartner, Avonne Connor, Anna Giuliano, Lisa Hines, Esther M. John, Gabriela Torres Mejia, Martha L. Slattery, Roger Wolff, and others if interested (Fejerman, Stern, Rai and Riley (UofL)). Associations between SMAD genes in the TGF β -signaling pathway and breast cancer risk: a pathway analysis in the The Breast Cancer Health Disparities Study.
2. **Stephanie D. Boone**, Richard N. Baumgartner, Christina M. Pinkston, Avonne E. Connor, Dongyan Yang, Kathy B. Baumgartner. Quality of life among Hispanic and non-Hispanic white women: A 12-15 year follow-up study of long-term breast cancer survivors and population-based controls.
3. Dongyan Yang, Richard N. Baumgartner, **Stephanie D. Boone**, Richard N. Baumgartner. Do Stressful Life Events Influence Physical Activity in Hispanic and Non-Hispanic Women With and Without Breast Cancer?
4. Dongyan Yang, **Stephanie D. Boone**, Richard N. Baumgartner, Richard N. Baumgartner. Active Cigarette Smoking and Breast Cancer-Specific and All-Cause Mortality: a Meta-Analysis.

GRANTS-Submitted

1. **NIH U01, PAR-15-104, Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts.** (Kathy B. Baumgartner, PhD and Richard Baumgartner, PhD, *submitted March 2016*, \$19,125,644 Total; \$12.5M Direct) 12/01/16-11/30/21. The main objective of this population-based cohort study include building an infrastructure to recruit participants to evaluate risk for the most frequent cancers in the United States. **Role: Co-Investigator (100% FTE)**
2. **Commonwealth of Kentucky Lung Cancer Research Program, Cycle 14** (Kathy B. Baumgartner, PhD) 03/01/15-03/31/17 (*not funded*) ***Feasibility, Reliability, & Reproducibility of Collecting Breath Samples for Measurement of Volatile Organic Compounds (VOCs) in a Lung Cancer Case-Control Pilot Study Using Community-based Healthy Controls*** \$149,989 (Direct: \$136,354). The proposed pilot research seeks to establish issues associated with the translation of the breath volatile organic compounds analysis method for early

detection of lung cancer (developed by Bousamra, Fu and colleagues) to community screening. **Role: Co-Investigator**

3. **NIH K99/R00, Pathways to Independence (Stephanie D. Boone, PhD) 07/01/14-06/30/19 (not funded) Effects of Treatment and Telomere Length in Breast Cancer Patients: \$926,282 (Direct: \$664,093).** The goals of the K99 phase are to further advance training in advanced study design and to provide a collaborative setting with a transdisciplinary research team, which will establish the foundation for an independent research program (R00 phase). Telomere length will be evaluated as a useful biomarker in epidemiological studies of breast cancer risk. **Role: Principal Investigator (80% FTE)**
4. **Susan G. Komen, Graduate Training in Disparities Research Grant (Richard N. Baumgartner, PhD): 08/01/2014-07/31/2017: Susan G. Komen Breast Cancer Disparities Epidemiology Research Training Program: \$404,927 (Direct) (not funded)**
This proposal is for the continuation of the *Susan G. Komen Breast Cancer Disparities Epidemiology Research Training Program* in the Department of Epidemiology and Population Health (EPH), School of Public Health and Information Sciences (SPHIS), University of Louisville (UofL). Three graduate students will be selected for this program. The program provides education in cancer biology, health disparities, statistical methods, molecular and cell biology, training in laboratory methods, and hands-on experience in on-going epidemiologic studies of breast cancer. **Role: Co-Investigator/Co-Mentor (5% FTE)**

TEACHING, LECTURES, & MENTORING

1. Mentoring two undergraduate students in 10-week Cancer Training Program (R25-awarded to JGBCC) June-August 2016
2. PHEP 607 Cancer Epidemiology: Guest Lecturer, June 21, 2016 “Epidemiology of Cancer Health Disparities in the US” and June 23, 2016 “Epidemiology of Cancer Survivorship”
3. PHEP 655 Emerging Issues in Epidemiology: Instructor, Spring 2016
4. PHEP 655 Emerging Issues in Epidemiology: Instructor, Spring 2015
5. PHEP 702 Epidemiology Research Management: Co-Instructor, Spring 2015
6. PHEP 606 Genetic & Molecular Epidemiology: Guest Lecturer, April 6, 2015. “Breast Cancer”.
7. PHEP 618 Epidemiological Methods II: Co-Instructor, Fall 2014
8. PHEP 750 Epidemiology Seminar: Co-Instructor, Fall 2014
9. PHEP 621 Statistical Foundations for Epidemiology. Guest Lecturer: October 17, 2013. “Hypothesis testing using the normal distribution”.

PRESENTATIONS

1. Stephanie D. Boone, PhD: Cancer Colloquia, James Graham Brown Cancer Center, March 23, 2016. **“Epidemiology and the Biology of Breast Cancer Disparities”.**
2. Stephanie D. Boone PhD MPH, Christina M. Pinkston MS, Kathy B. Baumgartner PhD, Richard N. Baumgartner PhD, Christopher A. Paynter MD, Sean M. Harper, Aaron J. Bonham MS, Diane M. Harper MD. **Associations between the timing and number of HPV4 vaccine doses and subsequent cervical cancer screening uptake.** Abstract/Poster presented at:
 - Research! Louisville ‘A Celebration of Research at the Louisville Medical Center’, Louisville, KY. October 28, 2015.

3. Stephanie D. Boone, PhD, Invited Speaker: Research Incubation Meeting, School of Public Health & Information Sciences, October 29, 2014. **“Integrative Molecular Epidemiology and the Biology of Breast Cancer Disparities”**.
4. Stephanie D. Boone, PhD, MPH, Kathy B. Baumgartner, PhD, Richard N. Baumgartner, Richard N. Baumgartner, PhD, Avonne E. Connor, PhD Esther M. John, PhD, Anna R. Giuliano, PhD, Lisa M. Hines, ScD, Shesh N. Rai, PhD, Elizabeth C. Riley, MD, Christina M. Pinkston, MS, Roger K. Wolff, PhD, and Martha L. Slattery, PhD. **Active and Passive Cigarette Smoking and Mortality among Hispanic/Native American and non-Hispanic White Women Diagnosed with Invasive Breast Cancer**. Abstract/Poster presented at:
 - Research! Louisville ‘A Celebration of Research at the Louisville Medical Center’, Louisville, KY. September 17, 2014.
 - James Graham Brown Cancer Retreat, University of Louisville, Louisville, KY. October 17, 2014.
5. Stephanie Boone, PhD, Richard Baumgartner, PhD, Christy Pinkston, MS, Avonne Connor, PhD, Kathy Baumgartner, PhD. **Genetic Variation in ER α and Risk of Breast Cancer among Hispanic and Non-Hispanic White Women**. Abstract/Poster presented at:
 - American College of Epidemiology, 2013 Annual Meeting, Louisville, KY. September 21-24, 2013.
 - Research! Louisville, University of Louisville, September 25, 2013.
 - James Graham Brown Cancer Retreat, University of Louisville, Louisville, KY. October 25, 2013.
6. Stephanie Boone, MPH. Oral Presentation: **TGF-B Signaling Pathway, ER α and the Heterogeneity of Breast Cancer Risk among Hispanic and non-Hispanic White Women**.
 - Susan G. Komen for the Cure Post-Baccalaureate Training in Disparities 2nd Annual Meeting October 26-30, 2012
7. Stephanie Denkhoff, MPH, Richard N. Baumgartner, PhD, Kathy B. Baumgartner, PhD. **Ethnicity as a Predictor of Long-Term Quality of Life In Breast Cancer Survivors**
Abstract/Poster presented at:
 - Cancer Survivorship Conference: Cancer Survivorship Research: Translating Science to Care June 14-16, 2012. Arlington, VA.
 - Research! Louisville, University of Louisville, September 18, 2012
8. Stephanie Denkhoff, MPH, Kathy B. Baumgartner, PhD, Christina Pinkston, MS, Dongyan Yang, MS, M.D. , Richard N. Baumgartner, PhD. **Patterns of All-Cause Mortality Over 10 years by Breast Cancer Tumor Phenotype and Hispanic versus non-Hispanic White Ethnicity**. Abstract/Poster presented at:
 - Research! Louisville, University of Louisville, October 13, 2011
 - James Graham Brown Cancer Retreat, University of Louisville, November 4, 2011
 - American Association of Cancer Research Conference: **The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved**. September 18-21, 2011. Washington D.C.

9. Stephanie Denkhoff, MPH, Kathy B. Baumgartner, PhD, Christina Pinkston, MS, Dongyan Yang, MS, M.D. , Richard N. Baumgartner, PhD. **Hormone Receptor Status and Breast Cancer Survival among Hispanic and non-Hispanic White Women over 10 Years of Follow-Up.** Abstract/Poster presented at: San Antonio Breast Cancer Symposium. December 6-9, 2011. San-Antonio, TX
10. Stephanie Denkhoff, MPH, Dongyan Yang, MS, MD, Christina Pinkston, MS, Richard Baumgartner, PhD, Kathy Baumgartner, MA, MS, PhD. **Predictors of Quality of Life among Hispanic and Non-Hispanic White Women: A 15 Year Follow-up Study of Long-Term Breast Cancer Survivors.** Abstract/Poster presented at:
 - Research! Louisville, University of Louisville, October 12, 2010
 - James Graham Brown Cancer Retreat, University of Louisville, November 5, 2010
 - American Association of Cancer Research 102nd Annual Meeting 2011, April 2-6, 2011. Orlando, Florida
11. Stephanie Denkhoff, MPH and Carlton Hornung, PhD. **A Review: The Gene-Environment Interaction: Cigarette Smoking, Apolipoprotein E Genotype, and the Risk of Cardiovascular Disease.** Presentation for Journal Club at University of Louisville, January 29, 2010.

SERVICE ACTIVITIES-University

1. Poster judging Research!Louisville, October 2015
2. Alumni Leader/Representative (Class of 2013), School of Public Health and Information Sciences 2014-
3. Poster judging (public health doctoral students) for Research!Louisville, September 2013-2015
4. Volunteer, Gray Street Farmer's Market, School of Public and Information Sciences, May 2011-
5. Volunteer, Health Career Expo Presenter, March 2009-November 2010. Interactive "hands-on" presentations promoting health professions to middle and high school youth
6. Member, Master of Public Health Advisory Committee University of Louisville, School of Public and Information Sciences, August 2008-August 2009
7. Treasurer, Student Government Association, University of Louisville, School of Public and Information Sciences, May 2007-May 2008.

SERVICE ACTIVITIES-Other

1. American College of Epidemiology, Appointed member of Publications Committee, October 2014-
2. Peer Reviewer for the journal Cancer Causes & Control, March 2016
3. Peer Reviewer for the journal: BMJ Open, January 2016
4. Poster judging and coordinator of luncheon: American College of Epidemiology, September 2015
5. Peer Reviewer for abstracts and posters: American College of Epidemiology, May & August 2015
6. Peer Reviewer for the journal: Medicine, June 2015
7. Peer Reviewer for the journals: Medicine and Cancer Causes and Control, October 2014
8. Peer Reviewer for the journals: Cancer Epidemiology and Cancer Causes and Control, July 2014
9. Peer Reviewer for the journals: World Journal of Epidemiology and Cancer Prevention, January 2014
10. Peer Reviewer for the journal: Breast Cancer Research and Treatment, April 2013
11. Poster judging for American College of Epidemiology, September 2013

PROFESSIONAL MEMBERSHIPS

1. **American College of Epidemiology (ACE)** (Member 2013-present)
2. **Society for Epidemiology Research (SER)** (Member 2009-present)
3. **American Association of Cancer Research (AACR)**
 - Associate Member 2010-present
 - Women in Cancer Research (*sub-group, AACR*) 2011-present

RESEARCH INTERESTS

Cancer Epidemiology (biological and behavioral risk factors and outcomes)

Epidemiologic Methods

Health disparities in cancer epidemiology

Identification of biological factors/pathways related to breast cancer tumor subtypes, risk, and survival

Identification of high-risk populations

Evaluation of associations between factors related to long-term quality of life and breast cancer