

Cindy K. Blair, Ph.D.

Curriculum Vitae

University of Alabama at Birmingham
Department of Nutrition Sciences
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EDUCATION

University of Minnesota, Minneapolis, Minnesota

Doctor of Philosophy 2006-2011

Major: Epidemiology

Minor: Biostatistics

Advisor: Dr. Julie Ross

Dissertation: *A pilot study to evaluate the effects of purple grape juice on the vascular health of childhood cancer survivors*

Master of Public Health 2001-2003

Major: Epidemiology

Advisor: Dr. Aaron Folsom

Thesis: *APOE genotype and cognitive decline in a middle-aged cohort*

Minnesota State University, Mankato, Minnesota

Bachelor of Science 1983-1988

Major: Computer Science

Minors: Business and Math

RESEARCH POSITIONS

Department of Nutrition Sciences, University of Alabama at Birmingham

National Cancer Institute Postdoctoral Fellow, UAB Cancer Prevention and Control
Training Program Jul 2011 - present

Division of Epidemiology and Community Health, University of Minnesota

Doctoral Dissertation Fellow Sep 2010 – May 2011

- Dedicated time to complete dissertation.

Division of Epidemiology and Clinical Research, University of Minnesota

Graduate Research Assistant Sep 2006 – Aug 2010

- Analyzed data, wrote manuscripts, conducted literature reviews, and assisted with data collection activities and provided statistical support for childhood and adult cancer studies.

Masonic Cancer Center, University of Minnesota

Research Fellow

Dec 2003 – Aug 2006

- Conducted a pilot study, analyzed data, wrote manuscripts, and conducted literature reviews for childhood and adult cancer studies.

Minnesota Cancer Surveillance System, Minnesota Dept. of Health

Research Analysis Specialist, internship

Sep 2003 – Oct 2003

- Developed research methodology and analyzed survey data to measure trends in the prevalence of cancer screening in Minnesota.

Division of Epidemiology and Community Health, University of Minnesota

Graduate Research Assistant

Sep 2001 – Nov 2003

- Analyzed data, collaborated with faculty on manuscript preparation, and conducted literature reviews for the Iowa Women's Health Study.

HONORS AND AWARDS

Selected to attend the NIH National Graduate Student Research Festival	Oct. 2010
University of Minnesota Graduate School Doctoral Dissertation Fellowship	2010-2011
Park Nicollet Scholarship	2001-2002

RESEARCH INTERESTS

Cancer control / survivorship
Cancer outcomes
Cancer late effects
Intervention studies
Epidemiologic methods

PROFESSIONAL EXPERIENCE

West Group, Eagan, Minnesota Computer Programmer / Analyst	Dec 1992 – Aug 2001
Unisys, Eagan, Minnesota Computer Programmer	Jun 1988 – Nov 1992

TEACHING EXPERIENCE

Teaching Assistant (University of Minnesota):

Data Processing in SAS (1 credit)	Fall 2007, 2008
Division of Epidemiology and Community Health	Spring 2008, 2009
25 – 39 graduate level students	
Co-lead computer lab	

Epidemiologic Methods I (3 credits) Fall 2006
Division of Epidemiology and Community Health
65 graduate level students
Graded homework assignments and exams

Guest lecture (University of Minnesota)
Epidemiologic Methods I (3 credits) Fall 2010
"Systematic Error, Part III (Confounding Bias; Stratification)"

Epidemiologic Methods I (3 credits) Fall 2006
"Measures of Disease Impact"

ADDITIONAL TEACHING ACTIVITIES

Student

Teaching in Higher Education (3 credits) Fall 2008
Graduate School, University of Minnesota

Presenter

Pediatric Epidemiology Group Meeting

Weekly meeting presenting research results and epidemiologic methodology.
Presented 20 times over 6 years: topics include childhood cancer, childhood cancer survivors, adult leukemia, Predictors of Adult Myeloid Leukemia Study, Minnesota Urban and Rural Adult Life Study (MURALS), Juice And Vascular Assessment (JAVA) Study, flavonoids, tumor microenvironment

GRANT FUNDING

Co-Principal Investigator
Developmental Funds 08/01/2009-07/30/2010 0% support
Children's Cancer Research Fund \$25,000
"A pilot study to evaluate the effect of purple grape juice on the vascular health of childhood cancer survivors"

PEER-REVIEWED PUBLICATIONS

1. Kasum C, **Blair CK**, Folsom AR, Ross JA. Non-steroidal anti-inflammatory drug (NSAID) use and risk of adult leukemia. *Cancer Epidemiology Biomarkers & Prevention*, 2003; 12(6): 534-537. PMID: 12814999.
2. Ross JA, Parker E, **Blair CK**, Cerhan JR, Folsom AF. Body mass index and risk of leukemia in older women. *Cancer Epidemiology Biomarkers & Prevention*, 2004; 13(11 Pt 1):1810-1813. PMID: 15533912.
3. Sweeney C, **Blair CK**, Anderson KE, Lazovich D, Folsom AR. Risk factors for breast cancer in elderly women. *American Journal of Epidemiology*, 2004; 160(9): 868-875. PMID: 15496539.

PEER-REVIEWED PUBLICATIONS (continued)

4. Canfield K, Spector LG, Robison LL, Roesler M, Olshan AF, Smith FO, Heerema N, Barnard D, **Blair CK**, Lazovich D, Ross JA. Childhood and maternal infections and risk of acute leukemia in children with Down syndrome: a report from the Children's Oncology Group. *British Journal of Cancer*, 2004; 91(11):1866-1872. PMID: 15520821.
5. **Blair CK**, Folsom AF, Knopman DS, Bray MS, Mosley TH, Boerwinkle, E. APOE genotype and cognitive decline in a middle-aged cohort. *Neurology*, 2005; 64(2): 268-276. PMID: 15668424.
6. Spector LG, Xie Y, Robison LL, Heerema N, Hilden JH, Lange B, Felix C, Davies SM, Slavin J, Potter JD, **Blair CK**, Reaman GH, Ross JA. Maternal diet and infant leukemia: the DNA topoisomerase II inhibitor hypothesis. *Cancer Epidemiology Biomarkers & Prevention*, 2005; 14(3): 651-655. PMID: 15767345.
7. Ross JA, Sinner P, **Blair CK**, Cerhan JR, Folsom AR. Hormone replacement therapy is not associated with increased risk of leukemia. *Cancer Causes and Control*, 2005; 16(5): 483-488. PMID: 15986103.
8. Ross JA, **Blair CK**, Olshan AF, Robison LL, Smith FO, Heerema N, Roesler M. Periconceptional vitamin use and leukemia risk in children with Down syndrome. *Cancer*, 2005; 104(2): 405-410. PMID: 15952191.
9. **Blair CK**, Cerhan JR, Folsom AF, Ross JA. Anthropometric characteristics and risk of multiple myeloma. *Epidemiology*, 2005; 16(5): 691-694. PMID: 16135948.
10. Alderton LE, Spector LG, **Blair CK**, Roesler M, Olshan AF, Robison LL, Ross JA. Child and maternal household chemical exposure and the risk of acute leukemia in children with Down syndrome. *American Journal of Epidemiology*, 2006; 164(3): 212-221. PMID: 16760223.
11. Linabery AM, Olshan AF, Gamis AS, Smith FO, Heerema NA, **Blair CK**, Ross JA. Exposure to medical test irradiation and acute leukemia among children with Down syndrome: A Children's Oncology Group (COG) Study. *Journal of Pediatrics*, 2006; 118(5): e1499-1508. PMID: 17030598.
12. Peters AM, **Blair CK**, Verneris MR, Neglia JP, Lange B, Davies SM, Ross JA. Maternal hemoglobin concentration during pregnancy and risk of infant leukemia: A Children's Oncology Group Study. *British Journal of Cancer*, 2006; 95(9): 1274-1276. PMID: 17003777.
13. **Blair CK**, Sweeney C, Anderson KE, Folsom AF. NSAID use and survival after breast cancer diagnosis in post-menopausal women. *Breast Cancer Research and Treatment*, 2007; 101(2): 191-197. PMID: 16823508.
14. **Blair CK**, Roesler M, Xie Y, Gamis A, Olshan F, Heerema N, Robison L, Ross JA. Vitamin supplement use among children with Down syndrome and risk of leukemia: A Children's Oncology Group (COG) Study. *Paediatric and Perinatal Epidemiology*. 2008; 22(3): 288-295. PMID: 18426524.

PEER-REVIEWED PUBLICATIONS (continued)

15. Linabery AM, **Blair CK**, Gamis AS, Olshan AF, Heerema NA, Ross JA. Congenital abnormalities and acute leukemia among children with Down syndrome: A Children's Oncology Group study. *Cancer Epidemiology Biomarkers & Prevention*, 2008; 17(10): 2572-2577. PMID: 18829445.
16. Puumala SE, Spector LG, Robison LL, Bunin GR, Olshan AF, Linabery AM, Roesler MA, **Blair CK**, Ross JA. Comparability and representativeness of control groups in a case-control study of infant leukemia: a report from the Children's Oncology Group. *American Journal of Epidemiology*, 2009; 170(3): 379-387. PMID: 19498073.
17. Ognjanovic S, **Blair CK**, Spector LG, Robison LL, Davies SM, Roesler M, Ross JA. Analgesic use during pregnancy and risk of infant leukemia: A Children's Oncology Group Study. *British Journal of Cancer*, 2011; 104(3): 532-536. PMID: 21157452.
18. Ross JA, **Blair CK**, Cerhan JR, Soler JT, Hirsch BA, Roesler MA, Higgins RR, Nguyen PL. Nonsteroidal anti-inflammatory drug and acetaminophen use and risk of adult myeloid leukemia. *Cancer Epidemiology Biomarkers & Prevention*, 2011; 20(8): 1741-1750. PMID: 21715605.
19. Slater ME, Linabery AM, **Blair CK**, Spector LG, Heerema NA, Robison LL, Ross JA. Maternal prenatal cigarette, alcohol and illicit drug use and risk of infant leukemia: a report from the Children's Oncology Group. *Paediatric Perinatal Epidemiology*, 2011; 25(6): 559-565. PMID: 21980945.

MANUSCRIPTS (Submitted)

1. Johnson KJ, **Blair CK**, Fink JM, Cerhan JR, Roesler MA, Hirsch BA, Nguyen PL, Ross JA. Medical conditions and risk of adult myeloid leukemia in Minnesota. Submitted to *Cancer* (under review).

MANUSCRIPTS (In preparation)

1. **Blair CK**, Roesler M, Nguyen PL, Cerhan JR, Soler JT, Ross JA. Obesity at different times of life and the risk of adult myeloid leukemia.
2. Johnson KJ, **Blair CK**, Nguyen PL, Cerhan JR, Fink J, Roesler M, Ross JA. Farming and related exposures and risk of adult myeloid leukemia in Minnesota.
3. Spector L, **Blair CK**, Cerhan JR, Peterson L, Church T, Roesler M, Ross JA. Family history of cancer and risk of adult myeloid leukemia.
4. Charbonneau B, **Blair CK**, Cerhan JR, Roesler MA, Soler JT, Johnson KA, Hirsch B, Nguyen PL, Ross JA. Occupational and Leisure-Time Physical Activity and Adult Myeloid Leukemia.
5. Linabery AM, **Blair CK**, Eberly LE, Georgieff MK, Ross JA. Pre-pregnancy weight, rate of gestational weight gain and risk of infant leukemia.

ABSTRACTS

1. Ross JA, Parker E, **Blair CK**, Cerhan JR, Folsom AF. Body mass index and risk of acute myeloid leukemia in older women. Poster presentation at the American Association for Cancer Research Meeting, Orlando, April 2004.
2. Spector LG, Xie Y, Robison LL, Heerema N, Hilden JH, Lange B, Felix C, Davies SM, Slavin J, Potter JD, **Blair CK**, Reaman GH, Ross JA. Maternal diet and infant leukemia: the DNA topoisomerase II inhibitor hypothesis. Poster presentation at the Society for Epidemiologic Research Meeting, Salt Lake City, June 2004.
3. **Blair CK**, Cerhan J, Folsom AR, Ross JA. Anthropometric characteristics and risk of multiple myeloma: The Iowa Women's Health Study. Oral presentation at the Society for Epidemiologic Research Meeting, Salt Lake City, June 2004.
4. Ross JA, **Blair CK**, Robison LL, Smith FO, Olshan AF, Heerema N, Roesler M. Maternal vitamin supplementation around the time of pregnancy and risk of leukemia in children with Down syndrome. Poster presentation at Frontiers in Cancer Prevention, American Association for Cancer Research Meeting, Seattle, October 2004.
5. Ross JA, Sinner PJ, **Blair CK**, Cerhan JR, Folsom AR. Estrogen replacement therapy (ERT) is not associated with an increased risk of leukemia. Poster presentation at the American Society of Hematology Meeting, San Diego, December 2004.
6. Ross JA, **Blair CK**, Spector LG, Robison LL, Davies SM, Roesler M. Pain reliever use during pregnancy and risk of infant leukemia: A Children's Oncology Group Study. Oral presentation at the Society for Epidemiologic Research Meeting, Toronto, June 2005.
7. Roesler MA, **Blair CK**, Spector LG, Robison LL, Olshan AF, Ross JA. Maternal and birth characteristics and risk of leukemia in children with Down syndrome. Poster presentation at the American Society for Hematology Meeting, Atlanta, December 2005.
8. **Blair CK**, Roesler M, Xie Y, Gamis AS, Olshan AF, Heerema NA, Robison LL, Ross JA. Vitamin use among children with Down syndrome and risk of leukemia: A Children's Oncology Group (COG) Study. Poster presentation at the Society for Epidemiologic Research Meeting, Seattle, June 2006.
9. Varghese L, Vanderwerf S, Sweeney C, **Blair CK**, Forster C, Gulbahce E. Chromosome 17 polysomy is common in breast cancer metastases and does not correlate with HER2/neu amplification or HER2/neu 2+ staining by immunohistochemistry. Poster presentation at the United States & Canadian Academy of Pathology Meeting, San Diego, March 2007.
10. Vanderwerf S, Varghese L, Sweeney C, **Blair CK**, Gulbahce E. Lobulitis in non neoplastic breast tissue from breast cancer patients is associated with phenotypes that are commonly seen in hereditary breast cancer. Poster presentation at the United States & Canadian Academy of Pathology Meeting, San Diego, March 2007.
11. **Blair CK**, Gulbahce HE, Coles BF, Wolff RK, Sweeney C. Cyclophosphamide metabolizing enzyme gene polymorphisms and breast cancer survival. Poster presentation at the American Association for Cancer Research Meeting, Los Angeles, April, 2007.

ABSTRACTS (continued)

12. Langer EK, **Blair CK**, Roesler M, Hooten AJ, Church T, Ross JA. Control response rates in an ongoing case-control study of adult myeloid leukemia in Minnesota. Poster presentation at the American Association for Cancer Research Meeting, San Diego, April, 2008.
13. Safo AO, Dolan M, Sweeney C, **Blair CK**, Forster C, Gulbahce HE. HER2 heterogeneity in primary breast cancers: a tissue micro-array analysis of FISH and IHC. Poster presentation at the United States & Canadian Academy of Pathology Meeting, San Diego, March 2008.
14. Thyagarajan B, Gamez R, Sweeney C, **Blair CK**, Gulbahce HE. Estrogen receptor positivity in normal breast epithelium from women with breast cancer correlates with tumor hormone receptor. Poster presentation at the United States & Canadian Academy of Pathology Meeting, San Diego, March 2008.
15. **Blair CK**, Linabery AM, Eberly LE, Georgieff MK, Ross JA. Pre-pregnancy weight, rate of gestational weight gain and risk of infant leukemia. One of 5 out of 23 PhD student abstracts selected for oral presentation at the Integrative Molecular Cancer Epidemiology Symposium, Lyon France, July 2008.
16. **Blair CK**, Roesler M, Nguyen PL, Cerhan JR, Soler JT, Ross JA. Obesity at different times of life and the risk of adult myeloid leukemia. Poster presentation at the American Association for Cancer Research Meeting, Denver, April 2009. Oral presentation at the Masonic Cancer Center Spring Poster Session and Symposium, Minneapolis, 2009.
17. Ross JA, **Blair CK**, Cerhan JR, Soler JT, Church T, Hirsch B, Roesler M, Nguyen P. Non-steroidal anti-inflammatory drug (NSAID) and acetaminophen use and risk of adult myeloid leukemia. Poster presentation at the Society for Epidemiologic Research Meeting, Seattle, June 2010.
18. **Blair CK**, Kelly A, Steinberger J, Eberly L, Napurski C, Robien K, Neglia J, Mulrooney D, Ross JA. A pilot study to evaluate the effects of purple grape juice on the vascular health of childhood cancer survivors. Poster presentation at the University of Minnesota Doctoral Research Showcase, Minneapolis, April 2011 and the Society for Epidemiologic Research Meeting, Montreal, June 2011.
19. **Blair CK**, Madan-Swain A, Locher J, De Los Santos J, Affuso O, Glover T, Sharma A, Anderson-Krontiras H, Busby JE, Carley J, Lipsitz M, Demark-Wahnefried W. Harvest for Health: A Vegetable Gardening Intervention for Cancer Survivors. Poster presentation at the University of Alabama Comprehensive Cancer Center Retreat, Birmingham, October 2011.

PROFESSIONAL AFFILIATIONS

American Association for Cancer Research (AACR)
Society for Epidemiologic Research (SER)
American Society of Preventive Oncology (ASPO)