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Epidemiology Branch
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Education:

The University of North Carolina at Chapel Hill

School of Public Health

Doctor of Philosophy, Epidemiology, 2007

Dissertation: *Evaluation of Insulin-Like Growth Factor Polymorphisms with Prevalence and Size of Uterine Leiomyomata*

University of Illinois at Chicago

School of Public Health

Master of Science, Epidemiology, 2002

Thesis: *Association of Antibiotic Prescriptions with Asthma Diagnosis in United States Preschool Children*

Kalamazoo College, Kalamazoo, Michigan

Bachelor of Arts, *cum laude*, Chemistry and Biology, 1997

Research Experience:

Postdoctoral Fellow—Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, NC, 2007 to present

Funded by: Intramural Research Training Award (IRTA), NIEHS

*Statistical analysis, literature reviews, and manuscript preparation for The Sister Study, which evaluates environmental and genetic risk factors for breast cancer and other chronic diseases.

Predoctoral Fellow—Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, NC, 2003 to 2007

Funded by: Intramural Research Training Award (IRTA), NIEHS, 2006 to 2007;

Environmental Biostatistics Training Grant, The University of North Carolina at Chapel Hill School of Public Health, Chapel Hill, NC, 2004 to 2006

*Statistical analysis, literature reviews, and manuscript preparation for NIEHS Uterine Fibroid Study, which evaluates etiologic factors for uterine fibroids.

Research Assistant— Department of Epidemiology, The University of North Carolina at Chapel Hill School of Public Health, Chapel Hill, NC, 2004 to 2007

*Data management, statistical analysis, and manuscript preparation for:

- 1) Pediatric CERTs project assessing utility of a statewide emergency department discharge database for surveillance of adverse drug events among children
- 2) Nationwide Study of Female Sexual Health examining the prevalence of hypoactive sexual desire dysfunction (HSDD) among US women (ages 30-70)

Predoctoral Trainee—NCI Nutritional Biochemistry & Epidemiology of Carcinogenesis Training Grant, The University of North Carolina at Chapel Hill School of Public Health, Chapel Hill, NC, 2002 to 2004

*Educational and research-oriented training in dietary factors related to carcinogenesis including the molecular concept of gene-nutrient interactions.

Research Assistant/Visiting Research Specialist – Department of Epidemiology, University of Illinois at Chicago School of Public Health, Chicago, IL, 2000-2002

*Conduct data entry/management, literature reviews, and statistical analysis with PCB (polychlorinated biphenyls) and asthma-related studies.

Internship – Pediatric Hematology-Oncology Clinic, Bronson Medical Center, Kalamazoo, MI, 1997

*Observation of medical management of children with cancer and blood disorders

Senior Individualized Project - Kalamazoo College, Kalamazoo, MI, 1996

*Biochemistry research project: performed cell cultures and enzyme assays

Research Assistant – Department of Chemistry, Kalamazoo College, Kalamazoo, MI, 1996

*Chem-Links Project: research on the FDA drug approval process.

Teaching Experience:

Teaching Assistant—Department of Epidemiology, The University of North Carolina at Chapel Hill School of Public Health, Chapel Hill, NC, 2004 to 2005

Informatics: Use of Large Health Care Databases (EPID 140), Fall 2005

Introduction to Logic and Probability Logic in Epidemiology (EPID 158), Fall 2005

Theory and Quantitative Methods in Epidemiology (EPID 268), Spring 2005

Fundamentals of Epidemiology (EPID 168), Fall 2004

Teaching Assistant –Departments of Chemistry and Biology Kalamazoo College, Kalamazoo, MI, 1995-1996

CHEM: Organic Chemistry I & II (Fall 1995, Winter 1996), BIOL: Evolution (Fall 1996)

Honors and Recognition:

Gamma Kappa Alpha, University of North Carolina at Chapel Hill, Chapel Hill, NC 2006

Phi Kappa Phi, University of Illinois at Chicago, Chicago, IL, 2001

Memberships in Professional Societies:

American Association for Cancer Research

Society for Epidemiologic Research

Professional Activities:

Co-coordinator, Fellows' Professional Development Seminars, NIEHS Epidemiology Branch, 2007 to present

Abstract Committee, Society for Epidemiologic Research – Student Caucus, 2007 to present

Social Chair, International Society for Pharmacoepidemiology: University of North Carolina at Chapel Hill Student Chapter, 2006 to 2007

Peer Reviewer for Journals

American Journal of Epidemiology

Cancer Epidemiology, Biomarkers & Prevention

Clinical Cancer Research

Funded Grants:**Inactive Studies**

D'Aloisio AA (principal investigator). An evaluation of insulin-like growth factor (IGF) polymorphisms for their relationship with prevalence and growth of uterine leiomyomata. Funding was provided exclusively for genotyping costs by UNC-GSK Center of Excellence in Pharmacoepidemiology and Public Health (\$20,763).

Bibliography:**Research Papers in Peer-Reviewed Journals**

1. Mallin K, McCann K, **D'Aloisio A**, Freels S, Piorkowski J, Dimos J, Persky V. Cohort mortality study of capacitor manufacturing workers, 1944-2000. *Journal of Occupational & Environmental Medicine* 2004; 46(6): 565-76.
2. West SL, **D'Aloisio AA**, Ringel-Kulka T, Waller AE, Bordley WC. Population-based drug-related anaphylaxis in children and adolescents captured by South Carolina Emergency Room Hospital Discharge Database (SCERHDD) (2000-2002). *Pharmacoepidemiology and Drug Safety* 2007; 16(12): 1255-67.
3. West SL, **D'Aloisio AA**, Agans RP, Kalsbeek WD, Borisov NN, Thorp JM. Prevalence of low sexual desire and hypoactive sexual desire disorder in a nationally representative sample of US women. *Archives of Internal Medicine* 2008; 168(13): 1441-9.
4. Baird DD, Travlos G, Wilson R, Dunson DB, Hill MC, **D'Aloisio AA**, London SJ, Schectman JM. Uterine leiomyomata in relation to insulin-like growth factor-I, insulin, and diabetes. *Epidemiology*. [in press]
5. Biddle AK, West SL, **D'Aloisio AA**, Wheeler SB, Borisov NN, Thorp J. Hypoactive sexual desire disorder in postmenopausal women: quality of life and health burden. *Value in Health*. [in press]
6. **D'Aloisio AA**, Schroeder JC, North KE, Poole C, West SL, Travlos GS, Baird DD. *IGF-I* and *IGFBP-3* polymorphisms in relation to circulating levels among African American and Caucasian women. *Cancer Epidemiology, Biomarkers & Prevention*. [in press]
7. **D'Aloisio AA**, Baird DD, DeRoo LA, Sandler DP. Association of intrauterine and early life exposures with uterine leiomyomata in young women in the Sister Study. *American Journal of Epidemiology*. [under review]

Invited Presentations

1. A Primer on Directed Acyclic Graphs (DAGs). Presented at RTI Health Solutions, Research Triangle Park, NC, December 4, 2008.

Abstracts

1. **D'Aloisio AA**, Sawyer LA, Carey LA, Arab L. Patterns of dietary supplement use among women recently diagnosed with breast cancer. Presented at the 94TH Annual Meeting of the American Association for Cancer Research. Washington, DC, July 11-14, 2003. [Poster]
2. **D'Aloisio AA**, Baird DD. Variation in the association of alcohol intake with uterine fibroids by race and tumor size. Presented at the 5th Annual Women's Health Research Day, The University of North Carolina at Chapel Hill, Chapel Hill, NC, March 17, 2004. [Poster]
3. **D'Aloisio AA**, Baird DD. Variation in the association of alcohol intake with uterine fibroids by race and tumor

size. Presented at the Annual Meeting of the American College of Epidemiology, Boston, MA, September 11-14, 2004. [Poster] *Annals of Epidemiology* 2004; 14(8): 622.

4. **D'Aloisio AA**, Baird DD, Dunson DB. Association of alcohol intake with incidence of uterine fibroids. Presented at the Advances in Uterine Leiomyoma Research: 2nd NIH International Congress, Bethesda, MD, February 24-25, 2005. [Poster]
5. **D'Aloisio AA**, Ringel-Kulka T, Waller AE, West SL, Bordley WC. Use of an emergency department discharge database for drug-induced anaphylaxis surveillance among pediatric patients. Presented at the 21st International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Nashville, TN, August 21-24, 2005. [Podium] *Pharmacoepidemiology and Drug Safety* 2005; 14(S2): S200.
6. **D'Aloisio AA**, West SL, Agans R, Kalsbeek W, Borisov N, Steinbuch M. The prevalence of hypoactive sexual desire disorder in 30 to 70 year old U.S. women based on a random-digit dial survey. Presented at the 7th Annual Women's Health Research Day, The University of North Carolina at Chapel Hill, Chapel Hill, NC, April 5, 2006. [Podium]
7. West SL, Agans R, Kalsbeek W, **D'Aloisio AA**, Borisov N, Steinbuch M. The prevalence of hypoactive sexual desire disorder in U.S. women aged 30 to 70 years based on a random-digit dial survey. Presented at the 2nd North American Congress of Epidemiology 2006, Seattle, WA, June 21-24, 2006. [Poster] *American Journal of Epidemiology* 2006; 163(S11): S149.
8. Biddle AK, West SL, **D'Aloisio AA**. The humanistic burden of female sexual dysfunction: more than just sex. Presented at the 8th Annual Women's Health Research Day, The University of North Carolina at Chapel Hill, Chapel Hill, NC, April 4, 2007. [Podium]
9. **D'Aloisio AA**, Schroeder JC, North KE, Poole C, West SL, Baird DD. Association of *IGF-I* and *IGFBP-3* polymorphisms with uterine leiomyomata by race. Presented at the 9th Annual Women's Health Research Day, The University of North Carolina at Chapel Hill, Chapel Hill, NC, April 2, 2008. [Podium]
10. **D'Aloisio AA**, Baird DD, DeRoo LA, Sandler DP. Association of intrauterine and early life exposures with uterine leiomyomata in young women. Presented at the 41st Annual Meeting of the Society for Epidemiologic Research, Chicago, IL, June 24-27, 2008. [Podium] *American Journal of Epidemiology* 2008; 167(S11): S143.
11. West S, **D'Aloisio A**, Basson R. Emotional dissatisfaction and its relation with hypoactive sexual desire disorder in U.S. women aged 30 to 70 years based on a random-digit dial survey. Presented at the Annual Meeting of the International Society for the Study of Women's Sexual Health, Florence, Italy, February 12-15, 2009. [Podium]