

CURRICULUM VITAE

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PLACE OF BIRTH: Louisville, Kentucky, USA
DATE PREPARED: August 24, 2020

EDUCATION:

2017	ScD	Epidemiology	Harvard T.H. Chan School of Public Health
2014	MS	Epidemiology	Harvard T.H. Chan School of Public Health
2010	BA	Neuroscience (major) and Spanish (minor)	Middlebury College

POSTDOCTORAL TRAINING:

07/2017- 10/2018	Research Fellow, Cancer Epidemiology	Channing Division of Network Medicine, Department of Medicine, Brigham and Women's Hospital, Boston, MA (Mentor: Rulla Tamimi, ScD)
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OTHER PROFESSIONAL POSITIONS:

11/1/2018-	Assistant Professor	Department of Epidemiology and Population Health, University of Louisville School of Public Health and Information Sciences
07/2017- 9/2018	Curriculum Fellow, Online MPH Program	Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA (Mentor: E. Francis Cook, ScD)
2016	Online CSRT Program practicum designer	Office of Global and Continuing Education, Harvard Medical School, Boston, MA
2015-2016	Online MPH Course Resource Designer	Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA
2013-2014	Online CSRT Course Support and Designer	Office of Global and Continuing Education, Harvard Medical School, Boston, MA
2013-2014	Student Researcher	Channing Division of Network Medicine, Department of Medicine, Brigham and Women's Hospital, Boston, MA (Mentor: Rulla Tamimi, ScD)

2011-2012	Research Assistant II	Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA (Mentor: Lorelei Mucci, ScD)
2010-2011	Research Assistant	Department of Nutrition, Harvard T.H. Chan School of Public Health, Boston, MA (Mentor: Meir Stampfer, MD, DrPH)

HONORS AND AWARDS:

2018-2020	Award	National Institutes of Health Loan Repayment Program awardee for project entitled “ <i>Environmental Exposure to Particulate Matter, Green Space and Breast Cancer Incidence and Survival in the Nurses’ Health Studies</i> ”
2017	Travel Award	Breast Cancer and Environmental Research Program (BCERP) annual meeting travel award for abstract
2017	Certificate	Completion of the Integrative Molecular Epidemiology American Association for Cancer Research (AACR) Workshop; Boston, MA.
2014-2018	Trainee	Predoctoral and Postdoctoral Trainee for the Training Program in Cancer Epidemiology NIH National Cancer Institute (NCI) T32 CA009001 (PI: Meir Stampfer)
2014-2015	Fellowship	David H. Peipers Fellowship recipient two years in a row, Harvard T.H. Chan School of Public Health
2014	Scholarship	Tuition scholarship awarded by the Department of Epidemiology, Harvard T.H. Chan School of Public Health
2010	Cum Laude	Middlebury College
2009	All-Academic Award	New England Small College Athletic Conference (NESCAC) award for outstanding academic performance for student athletes
2008-2010	Dean’s List	Middlebury College
2006	Dean’s List	Middlebury College

REPORT OF FUNDING AND FELLOWSHIP AWARDS:***Funded***

Feasibility and pilot study to measure personal exposures to residential radon and other environmental chemicals for women recently diagnosed with breast cancer in Louisville
University of Louisville Transdisciplinary Collaboration Research Planning Grant
Role: PI

We will enroll women diagnosed with invasive breast cancer at the James Graham Brown Cancer Center and ascertain information on breast cancer risk factors and multiple environmental exposures. This study will provide critical data for a larger study of environmental exposures and breast cancer risk in Kentucky.

Exposure to Greenness & Physical Activity in relation to Mammographic Density and Mammography Screening Practices

Jewish Heritage Fund for Excellence Pilot Grant Program
University of Louisville School of Medicine

Role: PI

Exposure to natural vegetation promotes breast cancer risk-reduction behaviors (e.g. physical activity) and higher exposure to ‘greenness’ was associated with lower risk of breast cancer in the three published studies of predominately White women. The current proposal will assess whether greenness could directly influence variation in breast biology independent of physical activity and body mass index by studying variation in mammographic density and whether there are racial/ethnic differences. Furthermore, this proposal will provide a basis for the degree to which bias from neighborhood socioeconomic factors and frequency of screening mammography could impact studies of greenness and breast cancer incidence.

Student-led Podcasting as an Educational Tool

Harvard Initiative for Learning & Teaching (HILT) Spark Grant

Role: co-PI

Along with three other faculty and staff members, we are building a podcasting infrastructure at the Harvard T.H. Chan School of Public Health that includes developing an on-campus and online podcasting workshop with online video materials to train students to podcast. Additionally, we propose to build a library of student-generated podcasts and to evaluate whether podcasting is a feasible and effective learning tool.

REPORT OF TEACHING:

2020 Instructor for epidemiology methods courses and independent studies at University of Louisville School of Public Health and Information Sciences in Spring 2020:

- Epidemiologic Methods course (PHEP 602) for MPH students in the Epidemiology concentration
- Epidemiologic Methods II (PHEP 618) for MS/PhD in Epidemiology program
- Data Management and Analysis Lab – II (PHEP 649) for MS/PhD in Epidemiology program
- Independent Study (PHEP 778) courses for PhD in Epidemiology students
 - PHEP 778-01: Independent Study for Dissertation Literature Review (Lindsey Wood)
 - PHEP 778-02: Independent Study in Environmental Epidemiology (Johnnie Newton)
 - PHEP 778-04: Independent Study for Opioid Use Disorder Dissertation Literature Review (Lyndsey Blair)
 - PHEP 778-07: Independent Study in Pedagogical Methods in Epidemiology (Lyndsey Blair)

Guest lecture in UofL PHPH 301 undergraduate course (Instructor: Anne Wallis) on February 11, 2020 “Global Cancer Rates: Epidemiology of infections and cancer incidence”

2019 Taught an in-person course in Spring 2019 Epidemiologic Methods course (PHEP 602) for MPH students in the Epidemiology concentration at University of Louisville School of Public Health and Information Sciences

- 2018 Taught an in-person lecture on mediation analyses for University of Louisville School of Public Health and Information Sciences course in Advanced Epidemiologic Methods (PHEP 701)
- 2018 Curriculum Fellow for Analysis of Case-Control and Cohort Studies (EPI 204) at Harvard Chan School during which I developed lecture slides and homework assignments
- 2018 Taught an online three-part lecture video series entitled “Air Pollution and Breast Cancer Epidemiology” as part of the Applications of Epidemiology (EPI 529) course at the Harvard T.H. Chan School of Public Health
- 2016-2017 Tutored three Masters in Public Health students on regression methods and final degree practicum project
- 2016-2017 Biostatistics Practica Development for the Clinical Scholars Research Training (CSRT) program, Office of Global and Continuing Education, Harvard Medical School
- 2014-2017 Teaching Assistant (TA)
Harvard T.H. Chan School of Public Health, Department of Epidemiology
As a TA, I answered student questions in class and via email, developed and led office hours and laboratory sessions in which content was taught and reviewed, and graded exams and homework assignments. As part of EPI 522, I advised a group of four students on their final data analysis project and presentation
- 2017 Epidemiologic Study Designs (EPI 203)
- 2016 Analytic Methods for Epidemiology (EPI 522)
Methods for Mediation and Interaction (ID 542)
- 2015 Analytic Methods for Epidemiology (EPI 522)
- 2014 Introduction to Clinical Epidemiology (EPI 208)
Introduction to Epidemiologic Methods I (EPI 201)
Introduction to Epidemiologic Methods II (EPI 202)
- 2016 Developed teaching datasets and data dictionaries from public-use databases and designed screencast videos for students to learn to download public-use databases as part of the first launch of the Public Use Databases (EPI 526) course for the online MPH program
- 2015 Developed online course materials, including homework assignments, video questions, and the teaching dataset, for the first launch of Analytic Methods for Epidemiology (EPI 529) to the first cohort of the online MPH program

REPORT OF INVITED PRESENTATIONS AND INVITED WORKS

- Oct. 9, 2019 *Geospatial Approaches and Challenges to Breast Cancer Epidemiology: natural vegetation exposure as an example.* University of Louisville James Graham Brown Cancer Center Seminar Series.

- July,15 2019 **DuPré NC**, Hart JE, James P. “Chapter 9: Spatial analyses for Environmental Exposures and Breast Cancer: Natural Vegetation, Ambient Air Pollution and Outdoor Light at Night as Examples.” *Geospatial Approaches to Energy Balance and Breast Cancer*. Eds. David Berrigan, Nathan Berger. Springer Nature Switzerland, 2019. Pages 189-219. Print.
- May 30, 2019 *Ambient Particulate Matter, Natural Vegetation Exposure, and Breast cancer Epidemiology: Results from the the Nurses’ Health Studies*. Christina Lee Brown Envirome Institute Seminar Series. University of Louisville School of Medicine.
- March 7, 2019 *Integrating breast cancer, environmental, and molecular epidemiology: Breast Tissue Gene Expression and Ambient Particulate Matter in the Nurses’ Health Studies*. University of Louisville School of Medicine. Department of Pharmacology and Toxicology. Environmental Health Science Seminar Series.
- August 2018 **DuPré NC**, James P, Hart JE, VoPham T, Peng C, Gazeeva E, Vieira V, Tamimi RM, Laden F. Residential greenness and breast cancer survival after a breast cancer. International Society for Environmental Epidemiology. August 2018; Ottawa, Canada.
- May 17, 2018 *Environmental Exposures and Breast Health: Integrating breast cancer, environmental, and molecular epidemiology*. Invited to present my research and teaching endeavours at the University of Louisville School of Public Health and Information Sciences, Department of Epidemiology.
- May 16, 2018 *Environmental Exposures and Breast Health: Integrating breast cancer, environmental, and molecular epidemiology*. Invited to present my work within the Nurses’ Health Studies at the Channing Division of Network Medicine Breakfast Seminar Series. This is a monthly series that is open to a broad audience of researchers and study coordinators to highlight the ongoing and exciting research within the cohorts.
- May 9, 2018 *Environmental exposures, early proliferative changes, and breast cancer risk*. As part of the collaboration with the Susan G. Komen Grant, I will co-present with colleagues the work that we have conducted on environmental exposures in relation to breast cancer outcomes to a group of breast cancer advocates at the Dana Farber Harvard Cancer Center.
- April 6, 2018 *Breast Tissue Gene Expression Pathways Underlying Breast Cancer Risk and Prognostic Factors in the Nurses’ Health Study and Nurses’ Health Study II*. Invited to present on breast tissue gene expression projects for the weekly seminar series for the Program of Genetic Epidemiology and Statistical Genetics (PGSG), Harvard T.H. Chan School of Public Health.
- April 25, 2017 *Air Pollution and Breast Cancer Epidemiology: Insights from Breast Tissue Gene Expression*. Invited to present at the monthly Channing Division of Network Medicine, Brigham & Women’s Hospital Subtyping meeting.

REPORT OF SCHOLARSHIP

Peer reviewed original research articles

1. Peng C, **DuPre N**, VoPham T, Heng YJ, Baker GM, Rubadue CA, Glass K, Sonawane A, Zeleznik O, Kraft P, Hankinson SE, Eliassen AH, Hart JE, Laden F, Tamimi RM. Low dose environmental radon exposure with breast tumor gene expression. *BMC Cancer*. 2020; 20:695. doi: 10.1186/s12885-020-07184-7. PMCID: PMC7385902.
2. **DuPré NC**, Blair LK, Moyer S, Cook EF, Little B, Howard J. Hepatitis A outbreaks associated with the opioid epidemic in Kentucky counties, 2017-2018. *American Journal of Public Health*. Sept. 1, 2020; 110 (9); p.1332. [https://doi-org.echo.louisville.edu/10.2105/AJPH.2020.305789](https://doi.org.echo.louisville.edu/10.2105/AJPH.2020.305789). PMID: 32673108.
3. Karimi S, **DuPre N**, McKinney WP, Little B, Patel N, Moyer S. Projecting the Covid-19 Weekly Deaths and Hospitalizations for Jefferson County, Kentucky. *The University of Louisville Journal of Respiratory Infections*. July 8, 2020; 4 (1). DOI: 10.18297/jri/vol4/iss1/43.
4. **DuPré N**, Heng YJ, Raby BA, Glass K, Hart JE, Chu J, Askew C, Eliassen AH, Hankinson SE, Kraft P, Laden F, Tamimi RM. Involvement of Fine Particulate Matter Exposure with Gene Expression Pathways in Breast Tumor and Adjacent-Normal Breast Tissue. *Environ Res*. 2020;186:109535. doi:10.1016/j.envres.2020.109535. PMID: 32668536. PMCID: [PMC7368092](#)
5. VoPham T, Bertrand KA, Jones RR, Deziel NC, **DuPre NC**, James P, Liu Y, Vieira VM, Tamimi RM, Hart JE, Ward MH, Laden F. Dioxin exposure and breast cancer risk in a prospective cohort study. *Environ Res*. 2020 Apr 13; 186: 109516. PMID: 32305677. PMCID: [PMC7363533](#)
6. Peng C, Heng YJ, Lu D, **DuPre NC**, Kensler K, Glass K, Zeleznik OA, Kraft P, Feldman D, Hankinson SE, Rexrode R, Eliassen AH, Tamimi RM. Pre-diagnostic 25-hydroxyvitamin D concentrations in relation to tumor molecular alterations and risk of breast cancer recurrence. *Cancer Epidemiology, Biomarkers & Prevention*. 2020 Apr 1. PMID: 32238406. PMCID: [PMC7284927](#)
7. Vieira V, VoPham T, Bertrand KA, James P, **DuPré NC**, Hart JE, Tamimi RM, Laden F. Contribution of Socioeconomic and Environmental Factors to Geographic Disparities in Breast Cancer Risk in the Nurses' Health Study II. Accepted in *Environmental Epidemiology*.
8. VoPham T, Bertrand KA, **DuPré NC**, James P, Vieira V, Tamimi RM, Laden F, Hart JE. Ultraviolet radiation exposure and breast cancer risk in the Nurses' Health Study II. *Environmental Epidemiology*. 2019 June 17. DOI: 10.1097/EE9.000000000000057. PMID: 31321375. PMCID: PMC6639017.
9. **DuPre NC**, Hart JE, Holmes MD, Poole EM, James P, Kraft P, Laden F, Tamimi RM. Particulate Matter and Traffic-related Exposures in Relation to Breast Cancer Survival. *Cancer Epidemiology, Biomarkers & Prevention*. 2019 Jan 15. DOI: 10.1158/1055-9965.EPI-18-0803. PMID: 30647065. PMCID: PMC6449193.
10. Heng YJ, Wang J, Ahern TU, Brown SB, Zhang X, Ambrosone CB, Piana de Andrade V, Brufsky AM, Couch FJ, King TA, Modugno F, Vachon CM, **DuPré N**, Garcia-Closas M, Troester MA, Hunter DJ, Eliassen AH, Tamimi RM, Hankinson SE, Beck AH. Molecular mechanisms linking high body mass index to breast cancer etiology in post-menopausal breast tumor and tumor-adjacent tissues. *Breast Cancer Research and Treatment*. 2018 Nov 1. DOI: 10.1007/s10549-018-5034-1. PMID: 30387004. PMCID: PMC6391202.
11. **DuPré N**, Flavin R, Sfanos K, Unger R, To S, Gazeeva E, Fiorentino M, DeMarzo A, Rider J, Mucci LA. Corpora amylacea in prostatectomy tissue and associations with molecular, histological and lifestyle factors. *The Prostate*. 2018 July 15. DOI: 10.1002/pros.23692. PMID: 30009541. PMCID: PMC6501556.

12. Hart JE, Bertrand KA, **DuPré N**, James P, Vieira VM, VoPham T, Mittleman MR, Tamimi RM, Laden F. Exposure to Hazard Air Pollutants and Risk of Incident Breast Cancer in the Nurses' Health Study II. *Environmental Health*. 2018 Mar 27;17(1):28. PMID: 29169389. PMCID: PMC5701365.
13. **DuPré NC**, Hart JE, Bertrand KA, Kraft P, Laden F, Tamimi RM. Residential particulate matter and distance to roadways in relation to mammographic density: results from the Nurses' Health Studies. *Breast Cancer Res*. 2017 Nov 23. DOI: 10.1186/s13058-017-0915-5. PMID: 29169389. PMCID: PMC5701365.
14. VoPham T, **DuPré N**, Tamimi RM, James P, Bertrand KA, Vieira V, Laden F, Hart JE. Environmental radon exposure and breast cancer risk in the Nurses' Health Study II. *Environmental Health*. 2017 Sep 7. DOI: 10.1186/s12940-017-0305-6. PMID: 28882148. PMCID: PMC5590193.
15. Hart JE, Bertrand KA, **DuPré N**, James P, Vieira VM, Tamimi RM, Laden F. Long-Term Particulate Matter Exposures During Adulthood and Risk of Breast Cancer Incidence in the Nurses' Health Study II Prospective Cohort. *CEBP*. 2016 Jun 2. DOI: 10.1158/1055-9965.EPI-16-0246. PMID: 27257091. PMCID: PMC4970922.
16. Graff RE, Pettersson A, Lis RT, **DuPré N**, Jordahl KM, Nuttall E, Rider JR, Fiorentino M, Sesso HD, Kenfield SA, Loda M, Giovannucci EL, Rosner B, Nguyen RL, Sweeney CJ, Mucci LA; on behalf of the Transdisciplinary Prostate Cancer Partnership ToPCaP. The TMPRSS2:ERG fusion and response to androgen deprivation therapy for prostate cancer. *Prostate*. 2015 Mar 1. doi: 10.1002/pros.22973. PMID: PMC4424159.
17. Kenfield SA, Van Blarigan EL, **DuPré N**, Stampfer MJ, Giovannucci EL, Chan JM. Selenium supplementation and prostate cancer mortality. *J Natl Cancer Inst*. 2014 Dec 12. doi: 10.1093/jnci/dju360. PMID: PMC4296194.
18. Kenfield SA, **DuPré N**, Richman EL, Stampfer MJ, Chan JM, Giovannucci EL. Mediterranean Diet and Prostate Cancer Risk and Mortality in the Health Professionals Follow-up Study. *Eur Urol*. 2013 Aug 13. doi: 10.1016/j.eururo.2013.08.009. PMID: PMC4157361.
19. Gershman B, Shui IM, Stampfer MJ, Platz EA, Gann PH, Sesso HL, **DuPré N**, Giovannucci EL, Mucci LA. Prediagnostic Circulating Sex Hormones Are Not Associated with Mortality for Men with Prostate Cancer. *Eur Urol*. 2013 Jan 1. doi: 10.1016/j.eururo.2013.01.003. PMID: PMC3664134.
20. Shui IM, Mucci LA, Kraft P, Tamimi RM, Lindstrom S, Penney KL, Nimptsch K, Hollis BW, **DuPré N**, Platz EA, Stampfer MJ, Giovannucci E. Vitamin D-related genetic variation, plasma vitamin D, and risk of lethal prostate cancer: a prospective nested case-control study. *JNCI*. 2012 May 2; 104(9):690-699. doi: 10.1093/jnci/djs189. PMID: PMC3341310.

Manuscripts under review

Manuscripts in preparation

1. Karimi S, Majbouri M, White K, Little B, McKinney WP, **DuPre N**. Spring Weather and COVID-19 Deaths in the U.S. doi: <https://doi.org/10.1101/2020.06.20.20136259>. Pre-print MedRxiv.

Research Letters

1. Murray EJ, Farland LV, Caniglia EC, Dorans KS, **DuPré NC**, Hughes KC, Kim IY, Pernar CH, Tanz LJ, Zack RM. Is this a portrait of John Graunt? An art history mystery. *American Journal of Epidemiology*. 2019 Oct 2. PMID: 31576411.

Doctor of Science (ScD) in Epidemiology Dissertation

DuPré NC. Air Pollution in Relation to Mammographic Density, Breast Cancer Survival, and Breast Tissue Gene Expression. Department of Epidemiology, Harvard T.H. Chan School of Public Health.

Master of Science (SM) in Epidemiology Thesis

DuPré N, Tamimi RM. The role of Premenopausal Prolactin level and Mammographic Breast Density on subsequent Breast Cancer Risk. Department of Epidemiology, Harvard T.H. Chan School of Public Health.

Abstracts, poster presentations and exhibits presented at professional meetings

1. Blair L, Newton J, Hart JE, James P, VoPham T, Barnard M, Laden F, Warner ET, Tamimi RM, **DuPre NC.** Natural vegetation exposure in relation to volumetric mammographic density. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 2020. Virtual.
2. Newton J, Blair L, **DuPre NC.** Socioeconomic Patterns and Environmental Greenness in Relation to County-Level All-cause and Cause-specific Mortality Rates in Kentucky. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 2020. Virtual.
3. Riggs DW, Yeager R, **DuPre NC,** Rai SN, James P, Laden F, Bhatnagar A. Associations between Greenness and Mortality by Ecoregion in the United States. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 2020. Virtual.
4. Blair L, Newton J, **DuPre NC.** Socioeconomic Patterns and Environmental Greenness in Relation to County-Level All-Cause Mortality Rates in Kentucky. Kentucky Public Health Association 2020 Annual Meeting. Covington, KY.
5. Blair L, Newton J, Severtson K, **DuPré N.** Socioeconomic Patterns and Environmental Disparities in Greenness within Massachusetts. Research!Louisville 2019 Annual Meeting. September 11, 2019; Louisville, KY.
6. **DuPré N,** Little B, Blair L, Howard J. County-Level Characteristics from the American Community Survey in relation to County-Case Rates of Hepatitis A in Kentucky: An ecologic study. Society for Epidemiologic Research 2019 Annual Meeting. June 2019; Minneapolis, MN.
7. **DuPré NC,** James P, Hart JE, VoPham T, Peng C, Gazeeva E, Vieira V, Tamimi RM, Laden F. Residential greenness and breast cancer survival after a breast cancer. International Society for Environmental Epidemiology. August 2018; Ottawa, Canada.
8. VoPham T, Bertrand KA, **DuPré N,** James P, Vieira V, Tamimi RM, Hart JE, Ward MH, Laden F. Dioxin exposure and breast cancer risk in the Nurses' Health Study II. American Association of Geographers; 2018 April 12; Boston, MA.
9. **DuPré N,** Barnard M, Fournier G, Murthy D, Astone K, Gombos E, Raza S, Tamimi RM, Warner ET. Introducing the Boston Mammography Cohort Study. Dana Farber Harvard Cancer Center Breast and Gynecologic Cancers Symposium; 2018 March 16; Boston, MA.
10. Peng C, **DuPré N,** VoPham T, Heng J, Hankinson SE, Eliassen HE, Hart JE, Laden F, Tamimi RM. Transcriptomic network analysis reveals molecular mechanisms linking radon exposure to breast cancer etiology in breast tumor and tumor-adjacent tissues. Dana Farber Harvard Cancer Center Breast and Gynecologic Cancers Symposium; 2018 March 16; Boston, MA.
11. **DuPré NC,** VoPham T, Bertrand KA, James P, Vierira V, Hart JE, Laden F, Tamimi RM. Ultraviolet radiation exposure across the life course in relation to mammographic density: results from the Nurses' Health Studies. Breast Cancer and the Environment Research Program (BCERP) 12th Annual Meeting; 2017 November 16-17; Monrovia, CA.

12. **DuPré NC**, Heng YJ, Raby BA, Glass K, Hart JE, Chu J, Eliassen H, Hankinson SE, Kraft P, Laden F, Tamimi RM. Fine particulate matter exposure and breast tissue gene expression in the Nurses' Health Studies. Society for Epidemiologic Research (SER) Annual Conference; 2017 June 20-23; Seattle, WA.
13. **DuPré N**, Poole EM, Holmes MD, Hart JE, Beck A, Kraft P, Laden F, Tamimi RM. Particulate matter and traffic-related exposures in relation to breast cancer survival. Abstract 3278. American Association for Cancer Research (AACR); 2017 April 1-5; Washington, D.C.
14. VoPham T, Bertrand KA, James P, **DuPré N**, Vieira V, Tamimi RM, Laden F, Hart JE. Ultraviolet radiation exposure and breast cancer risk in the Nurses' Health Study II. Association of American Geographers (AAG) Annual Meeting, Geospatial Health Research Symposium; 2017 April 5-9; Boston, MA.
15. **DuPré N**, Poole EM, Holmes MD, Hart JE, Beck A, Kraft P, Laden F, Tamimi RM. Particulate matter exposures in relation to breast cancer survival. Dana-Farber/Harvard Cancer Center Fourth Annual Celebration of Junior Investigators in Cancer Research; 2016 Nov 14; Boston, MA.
16. VoPham T, **DuPré NC**, Tamimi RM, James P, Bertrand KA, Vieira V, Laden F, Hart JE. Environmental radon and breast cancer risk in the Nurses' Health Study II. Dana-Farber/Harvard Cancer Center Fourth Annual Celebration of Junior Investigators in Cancer Research; 2016 Nov 14; Boston, MA.
17. **DuPré N**, Hart J, Bertrand K, Laden F, Tamimi RM. Air pollution at breast cancer diagnosis and survival from breast cancer. Dana Farber Harvard Cancer Center Breast and Gynecologic Cancers Symposium; 2016 Mar 4; Boston, MA.
18. **DuPré N**, Hart JE, Bertrand KA, Laden F, Tamimi RM. Long-term ambient particulate matter exposure and mammographic density. UCSF CME: 7th International Workshop on Breast Densitometry and Cancer Risk Assessment; 2015 June 10-12; San Francisco, CA.

Reports

1. Karimi S, Zarei H, **DuPre N**, Chen Y, Patel N, Mitra R, McKinney P, Little B, **Ul Hassan R**, Moyer S. Projecting the Covid-19 Deaths and Hospitalizations for Jefferson County, KY from July 16 to September 15, 2020. July 31, 2020. <https://louisville.edu/sphis/documents-and-pdfs/Projectionsbasedonincreaseinmaskwearingv11adacompliant.pdf>
 - News Press:
 - <https://wfpl.org/researchers-say-mask-usage-key-to-preventing-coronavirus-spike-in-louisville/>
 - <https://louisville.edu/sphis/research/covid-19-projections>
2. Karimi S, **DuPre N**, McKinney P, Little B, Patel N, Moyer S. Projecting the Covid-19 Weekly Hospitalizations and Deaths for Jefferson County, Kentucky. May 13, 2020. https://louisville.edu/sphis/documents-and-pdfs/copy_of_JCCOVID19PredictionReport2v15.pdf
 - <https://louisville.edu/sphis/research/covid-19-projections>
3. Karimi S, **DuPre N**, McKinney P, Little B, Moyer S. Projecting the Covid-19 Weekly Deaths, Infections, and Hospitalizations for Jefferson County, Kentucky. April 23, 2020. <https://louisville.edu/sphis/documents-and-pdfs/JCCOVID19PredictionWeek1Report5120distribution.pdf>
 - <https://louisville.edu/sphis/research/covid-19-projections>

PROFESSIONAL SOCIETIES

- 2019-2020 International Society for Environmental Epidemiology (ISEE) member
 2019-2020 American Society of Preventive Oncology (ASPO) member

2019-2020	Member of the James Graham Brown Cancer Center
2017-2021	Society for Epidemiologic Research (SER) member
2017-2018	American Association for Cancer Research (AACR) member
2017-2018	Associate member, Program in Quantitative Genomics

REPORT OF CREATIVITY

Podcasts

1. **DuPré N**, Makuch M. A smelly story: Deodorant and Breast Cancer. *Pandemia Podcast*. May 2018. The first episode of the podcast series starts by tackling a frequent question asked of breast cancer epidemiologists, but finds that rumors, exaggerations, and bias were obstructing the real conclusions from epidemiologic data. Listeners are also introduced to PubMed, ecologic fallacy, and case-control studies.
2. **DuPré N**, Orav J, Makuch M. Physician Gender and Patient Mortality: Meanings of Significance. *Pandemia Podcast*. May 2018. This second episode of the podcast series is a conversation with Dr. Orav, biostatistician and co-author of an interesting study examining whether Medicare patients seeing a female physician have better health outcomes than Medicare patients seen by male physicians. Listeners learn about statistical versus clinical significance and the epidemiologic design and analytical methods to account for biases.
3. **DuPré N**, Makuch M. Turf tale: Epidemiologic Studies of Synthetic Turf Exposure & Injuries. *Pandemia Podcast*. Jan 2019. A concerned soccer coach in Washington brought to the headlines her concerns of synthetic turf exposure and cancer in soccer players. This third episode explores the little epidemiologic research on synthetic turf exposure in relation to cancer incidence, and in its sparseness, we explore the features of more detailed research on concussions as an example of what to strive for regarding exposure measurement and also what to avoid: selection bias and industrial conflicts of interest.

EDITORIAL ACTIVITIES

Ad hoc reviewer

Breast Cancer Research; British Journal of Cancer; Cancer Causes & Control; Environmental Health Perspectives; Cancer Epidemiology, Biomarkers & Prevention

REPORT OF SERVICE

2019-2020	Member of the UofL SPHIS Diversity Committee
2019	Research!Louisville 2019 annual meeting Public Health poster judge
2018	Development of the annual newsletter that is sent out to the thousands of participants in the Nurses' Health Study and Nurses' Health Study II to highlight recent findings and compelling research from the cohorts
2018	Mentored a high school student over the summer for the Dana Farber Harvard Cancer Center's Young Empowered Scientists for ContinUed Research Engagement (YES for CURE) program to conduct research within the Boston Mammography Cohort Study

Mentoring

Primary mentor for PhD in Epidemiology candidates and MPH students at UofL SPHIS

- PhD in Epidemiology candidates:
 - Lyndsey Blair
 - Jack Pfeiffer

- Johnnie Newton
- Lindsey Wood
- MPH in Epidemiology concentration:
 - Class of 2020: Adegboyega Akenroye

Dissertation Committee member for PhD in Epidemiology candidates at UofL SPHIS

- T'Shura Ali
- Mohammad Yaser