

## CURRICULUM VITAE

# ROBIN TAYLOR WILSON, MA, PHD

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## Bio

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Dr. Wilson is an environmental cancer epidemiologist by training with experience in community engagement and trans-disciplinary implementation research. She directs the [Kidney Cancer Research Prevention Program](#) at Temple University. Her research focuses on the intersection between genetic and environmental factors influencing kidney cancer risk, including trace element exposures and vitamin D metabolism. Dr. Wilson is the founding Principal Investigator (PI) for three studies including the Sunlight Nutrition, Skin, and Human Ancestry related to vitamin D Exposure and Synthesis (SuNSHADES) study, the Heavy Metals Exposure Among Mining-Impacted Indigenous Bolivians study, and the Technology-Linked Epidemiology Education Network, which combined have included over 2,000 participants. Overall, Dr. Wilson's research has identified several factors associated with greater renal cell cancer (RCC) risk including higher blood lead (Pb), lower serum calcium, lower dietary intake of flavonoids (quercetin), high dietary intake of fish in urban coastal regions, lower occupational sunlight exposure, and genetic variants in the vitamin D pathway (the vitamin D receptor (*VDR*), Calbindin-D<sub>28K</sub> (*CALBI*)), including gene x environment interactions. Her research in vitamin D metabolism has identified gene x environment and gene x gene interactions involving *VDR*, *CYP2R1*, the vitamin D binding protein (*GC*) and *CALBI*, which are independent of genetic ancestry and race/ethnicity. This work has led to development of a novel vitamin D biomarker with provisional patent status from the US Patent and Trade Office (USPTO). Dr. Wilson's research has included diverse population groups in the United States (American Indian/Alaska Natives, African American, rural Appalachian), Bolivia (Spanish and Quechuan), Central/Eastern Europe, Finland and Sweden. Her work has been funded by the American Institute for Cancer Research (AICR), Pennsylvania State University (PSU), Pennsylvania Department of Health (PA DOH), United States (US) Centers for Disease Control and Prevention (CDC), US Food and Drug Administration (FDA), US National Institutes of Health (NCI and NIGMS), and US Naval Health Research Center. In total, Dr. Wilson directed \$3.4M in research funding while collaborating on an additional \$9.5M. She has been interviewed by news media including the *Economist's 1843 Magazine*, *USA Today* and the *Washington Post*.

In professional service, Dr. Wilson serves as a [collaborating member](#) and [research review committee member](#) of the Temple Fox Chase (Comprehensive) Cancer Center (FCCC), and board member of the International Network for Epidemiology in Policy ([INEP](#)) as a liaison from the American Public Health Association (APHA). Dr. Wilson has served on public health, research, award, and/or career panels for the APHA, FCCC, NIH, PA DOH, PSU, Temple University, US Department of Defense, and Worldwide Cancer Research.

In her educational role, Dr. Wilson has served as a mentor and/or supervisor for 85 students and faculty from diverse cultures and racial/ethnic backgrounds. She founded, directed, and oversaw accreditation of a Council on Education for Public Health (CEPH)-accredited Doctor of Public Health (DrPH) program, including a dual JD/DrPH option. She was named Outstanding College of Medicine Mentor and the Inaugural College of Medicine Dean's Diversity Award Champion by PSU. Dr. Wilson's trainees have been admitted to academic posts, fellowships, and/or employment with Jefferson University, Johns Hopkins, Mayo Clinic, Mount Sinai Hospital, the National Cancer Institute, PA DOH, PSU, Public Health Management Corporation, Stanford, Temple University, University of Buffalo, University of Colorado, University of Delaware, University of Pittsburgh, University of Wisconsin, University of Texas, US Food and Drug Administration, Vanderbilt University, and Yale University.

## Education and Training

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- 1987-1991 Bachelor of Science, Political Science, Mathematics Minor  
Drake University, Des Moines, Iowa
- 1993-1995 Master of Arts, Geography, Certificate in Demography  
University of Colorado, Boulder, Colorado
- 1995-2000 Doctor of Philosophy, Epidemiology  
University of Iowa, Iowa City, Iowa
- 1997-2000 Pre-Doctoral Fellow, National Epidemiology Program,  
Indian Health Service, US Department of Health and Human Services,  
Albuquerque, New Mexico
- 2000-2002 Post-Doctoral Fellow, National Cancer Institute, Division of Cancer Control and  
Population Sciences, Surveillance Research Program, Rockville, Maryland
- 2002-2004 Post-Doctoral Fellow, National Cancer Institute, Division of Cancer  
Epidemiology and Genetics, Occupational and Environmental Epidemiology  
Branch, Rockville, Maryland

## Research Interests

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1. Renal cell cancer
2. Vitamin D
3. Heavy metals
4. Environmental molecular epidemiology
5. Health disparities
6. Epidemiology education

## Broad Career Goals

Promote the translation of research into practice through contributions in research toward improved: 1) Primary and secondary prevention of cancer and 2) Educational networks and practices.

## Professional Experience

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- 07.2019 to present Associate Professor of Epidemiology & Biostatistics  
Temple University College of Public Health  
Philadelphia, Pennsylvania

Collaborating Member, Cancer Prevention and Control Program, Fox Chase Comprehensive Cancer Center, Temple University, Philadelphia, Pennsylvania, December 2019 to present.

Collaborating Faculty Member, Temple University Center for Global Health and Development, Temple University Lewis Katz College of Medicine, Philadelphia, Pennsylvania, August 2020 to present.

Member, Research Review Committee, Fox Chase Comprehensive Cancer Center, Temple University, Philadelphia, Pennsylvania, December 2020 to present.

07.2010 to  
06.2019

Associate Professor with Tenure  
Division of Epidemiology  
Department of Public Health Sciences  
Pennsylvania State University College of Medicine  
Hershey, Pennsylvania

Member, Pennsylvania State University Cancer Institute, Hershey and State College, Pennsylvania, September 2004 to June 2019

Founding Director, Pennsylvania State University Doctor of Public Health (DrPH) Program, Accredited by the Council on Education for Public Health (CEPH) Hershey, Pennsylvania, August 2014 to June 2019

09.2004 to  
06.2010

Assistant Professor  
Division of Epidemiology  
Department of Public Health Sciences  
Pennsylvania State University College of Medicine  
Hershey, Pennsylvania

10.2002 to  
08.2004

Post-Doctoral Research Fellow  
National Cancer Institute, Division of Cancer Epidemiology and Genetics.  
Occupational and Environmental Epidemiology Branch  
<http://dceg.cancer.gov/about/organization/programs-ebp/oceb>  
Joseph F. Fraumeni, Jr., MD, Founding Division Director  
Aaron Blair, PhD, Branch Chief  
Bethesda, Maryland

01.2001 to  
10.2002

Post-Doctoral Research Fellow  
National Cancer Institute, Division of Cancer Control and Population Sciences,  
Surveillance Research Program <http://www.seer.cancer.gov>  
National Cancer Institute  
Brenda K. Edwards, PhD, Associate Director, Surveillance Research Program  
Bethesda, Maryland

- 09.1997 to  
12.2000                    Pre-Doctoral Research Fellow  
Indian Health Service, Division of Epidemiology and  
Disease Prevention  
<http://www.ihs.gov/MedicalPrograms/epi/index.cfm>  
Nathaniel Cobb, MD, James Cheek, MD, MPH, Ralph Bryan, MD  
Albuquerque, New Mexico
- 10.1997 to  
12.2000                    Research Assistant  
Patterns of Care Among Native American Cancer Patients  
University of Iowa College of Public Health  
<http://cph.uiowa.edu/>  
Charles F. Lynch, MD, PhD  
Iowa City, Iowa
- 02.2000 to  
06.2000                    Research Assistant  
Clinical Prevalence of *H. pylori* Infection  
Indian Health Service, Whiteriver Service Unit  
Whiteriver, Arizona
- 09.1997 to  
04.1998                    Project Intern  
Vaccination Coverage for American Indian Children on Two South Dakota  
Reservations  
Indian Health Service, Epidemiology Program, Headquarters West  
James Cheek, MD, MPH  
Albuquerque, New Mexico
- 01.1997 to  
09.1997                    Research Assistant  
Iowa SEER Breast Cancer Data Linkage Project  
Department of Internal Medicine, University of Iowa Hospitals and Clinics  
Bradley Doebbeling, MD, MSc  
Iowa City, Iowa
- 01.1997 to  
08.1997                    Research Assistant  
Human Pathology World Wide Web Project  
Department of Pathology, University of Iowa College of Medicine  
Gary Baumbach, MD  
Iowa City, Iowa
- 08.1996 to  
12.1996                    Research Assistant  
Global Trade in Blood and Blood Products  
Department of Preventive Medicine, University of Iowa College of Medicine  
James Cerhan, MD, PhD  
Iowa City, Iowa

08.1995 to 05.1996	Research Assistant Asset and Health Dynamics of the Oldest Old (AHEAD) Department of Preventive Medicine, University of Iowa College of Medicine Robert B. Wallace, MD, MSc Iowa City, Iowa
01.1993 to 06.1994	Research Assistant Multiregional Projections of US Migration, 1940-1990 University of Colorado Institute of Behavioral and Social Sciences, Population Program Andrei Rogers, PhD Boulder, Colorado
08.1993 to 12.1993	Teaching Assistant Population Geography Department of Geography University of Colorado, Boulder, Colorado
01.1994 to 05.1994	Teaching Assistant Urbanization, Migration & Development Departments of Geography and Economics University of Colorado, Boulder, Colorado

### **Graduate Courses Directed and/or Taught**

1. *Intermediate Concepts and Methods in Health Research* (EPBI 8402), one of three core methods courses for the PhD in Epidemiology. This course focuses on rigorous causal inference theory, including directed acyclic graph confounding assessment, quantitative bias assessment, interaction continuum, as well as the underlying assumptions of statistical models applied to longitudinal, clustered, and time-varying data. Department of Epidemiology and Biostatistics, College of Public Health, Temple University, January 2022 to present.
2. *Environmental Epidemiology* (ENVH 8207), a 3-credit core required course for the MPH in Environmental Health and elective for the PhD in Epidemiology. Department of Epidemiology and Biostatistics, College of Public Health, Temple University. January 2021 to present. This course introduces the special nature of the study of multiple environmental agents (in water, air and food), unique statistical considerations and novel study designs.
3. *Environmental Health* (ENVH 5004), a core required course for all MPH degrees at Temple University. Department of Epidemiology and Biostatistics, College of Public Health, Temple University. October 2020 to present. This course is a 1.5-credit course

which provides a broad overview of chemical and infectious exposures and adverse health outcomes as well as policy and intervention approaches to disease prevention.

4. *Molecular Epidemiology of Chronic Disease* (PHS 552), Department of Public Health Sciences, Pennsylvania State University College of Medicine. Founding course director, 2006 to 2019. This course focuses on the use and development of biomarkers of exposure, nutritional biomarkers and biomarkers of early biologic effect.
5. *Principles of Epidemiology* (PHS 550), Department of Public Health Sciences, Pennsylvania State University College of Medicine. Course co-director, 2012 to 2014.
6. *Social Influences on Health*, Department of Family and Community Medicine, Pennsylvania State University College of Medicine. Founding course instructor, 2007 to 2010.
7. *Integrative Seminar in Public Health Policy* (PHS 576), Department of Public Health Sciences, Pennsylvania State University College of Medicine, 2017 to 2019. Founding course director. Cross listed with Penn State Dickinson School of Law.
8. *Applied Tobacco Research* (PHS 863), Department of Public Health Sciences, Pennsylvania State University College of Medicine. Lecturer, 2016.
9. *Public Health Journal Club* (PHS 899), Department of Public Health Sciences, Pennsylvania State University College of Medicine. Founding course developer, 2017.

## Publications

ORCID: 

<https://orcid.org/0000-0002-5739-558X>

BASE:

<http://d-nb.info/gnd/171498534>

NCBI:

<https://www.ncbi.nlm.nih.gov/myncbi/robin.wilson.1/bibliography/public/>

The Lens:

<https://www.lens.org/lens/profile/412277664/scholar>



## *Peer-Reviewed Journal Articles: Investigator Initiated Research*

1. **Wilson RT**, LaBarge B\*\*, Stahl L, Goldenberg D, Lyamzina Y, Talbott EO. *What have we learned about health effects more than forty years after the Three Mile Island nuclear accident? A scoping and process review.* Accepted to Risk, Hazards & Crisis in Public Policy, June 20<sup>th</sup>, 2022.

2. Wu H<sup>\*\*</sup>, Weinstein S, Moore LE, Albanes D, **Wilson RT**. Coffee intake and trace element blood concentrations in association with renal cell cancer among smokers. *Cancer Causes Control*. 2021 Oct 15. doi: 10.1007/s10552-021-01505-2. Epub ahead of print. PMID: 34652593.
3. Cuffee YL, Wang M, Geyer NR<sup>\*\*</sup>, Saxena S<sup>\*\*</sup>, Akuley S<sup>\*</sup>, Jones L, **Wilson RT**. Vitamin D and family history of hypertension in relation to hypertension status among college students. *J Hum Hypertens*. 2021 Jul 20. doi: 10.1038/s41371-021-00577-6. Epub ahead of print. PMID: 34285353.
4. Stallworth AM<sup>\*</sup>, Chase EH, McDevitt B, Marak KK<sup>\*</sup>, Freedman MA, **Wilson RT**, Burgos WD, Warner NR. Efficacy of oil and gas produced water as a dust suppressant. *Sci Total Environ*. 2021 Dec 10;799:149347. doi: 10.1016/j.scitotenv.2021.149347. Epub 2021 Aug 2. PMID: 34426301; PMCID: PMC8530883.
5. Oremus M, **Wilson RT**, Aldrich MC, Bell KJL, Gaudino JA, Palevsky S, Payne J, Raynes-Greenow C, Sim F, Smith MY, Weiss SH, Zhang Y, and the International Network for Epidemiology in Policy. The Role of Epidemiologists in SARS-CoV-2 and COVID-19 Research. *Public Health*. 2021; 190:e3-e4.  
<https://doi.org/10.1016/j.puhe.2020.10.006>. PMID: 33228975 PMCID: PMC7568048
6. **Wilson RT**, Watson E<sup>\*\*</sup>, Kaelin M, Huebner W. Early Preparation and Inspiration for STEM Careers: Description and Interim Report of the Epidemiology Challenge Randomized Intervention. *Public Health Reports*. 2018; 133(1): 64–74 DOI: 10.1177/0033354917746983
7. **Wilson RT**, Masters LD<sup>\*\*</sup>, Barnholtz-Sloan JS, Salzberg AC, Hartman TJ. Ancestry-Adjusted Vitamin D Metabolite Concentrations in Association With Cytochrome P450 3A Polymorphisms. *Am J Epidemiol*. 2018; 187(4):754-766. doi: 10.1093/aje/kwx187. PMID: 28673024; PMCID: PMC5888975.
8. Garrido AE<sup>\*</sup>, Strosnider WHJ, **Wilson RT**, Condori J, Nairn RW. Metal-contaminated potato crops and potential human health risk in Bolivian mining highlands. *Environmental Geochemistry and Health*. 2017; 39(3):681-700.
9. **Wilson RT**, Hasanali SH<sup>\*\*</sup>, Sheikh M, Cramer S, Weinberg G, Firth A, Weiss SH, Soskolne CL. Challenges to the census: international trends and a need to consider public health benefits. *Public Health*. 2017 Oct;151:87-97. doi: 10.1016/j.puhe.2017.05.015.
10. Farag S<sup>\*\*</sup>, Das R<sup>\*\*</sup>, Strosnider WHJ, **Wilson RT**. Possible Health Effects of Living in Proximity to Mining Sites near Potosí, Bolivia. *Journal of Occupational and Environmental Medicine*. 2015; 57(5):543-51, doi: 10.1097/JOM.0000000000000401.
11. Stanley BA, Dai JP, Xu A, Battaglioli EJ<sup>\*\*</sup>, **Wilson RT**. A Sensitive and Cost Effective LC/MS/MS Method for Determination of 1 $\alpha$ ,25-Dihydroxylvitamin D<sub>3</sub> in Human Plasma. *LCGC North America* (Chromatographyonline.com), March 2015, 13(1).

<https://www.chromatographyonline.com/view/sensitive-and-cost-effective-lc-ms-ms-method-determination-1-25-dihydroxyvitamin-d3-human-plasma-0>

12. **Wilson RT**, Bortner JD Jr\*, Roff A, Das A, Battaglioli EJ\*\*, Richie JP Jr, Barnholtz-Sloan J, Chinchilli VM, Berg A, Liu G, Salzberg AC, and Karam El-Bayoumy K. Genetic and Environmental Influences on Plasma Vitamin D Binding Protein Concentrations. *Translational Research*. 2014; 165(6):667-76, doi: 10.1016/j.trsl.2014.08.003.
13. Tilburt JC, Koller K, Tiesinga JJ, **Wilson RT**, Trinh AC, Hill K, Hall IJ, Smith JL, Ekwueme DU, Petersen WO. Patterns of clinical response to PSA elevation in American Indian/Alaska Native men: A multi-center pilot study. *Journal of Health Care for the Poor and Underserved*. 2013; 24 (4): 1676-1685. PMID: 24185163
14. Southard EB\*\*, Roff A, Fortugno TA\*\*, Richie JP Jr, Kaag M, Chinchilli VM, Weinstein S, Virtamo J, Albanes D and **Wilson RT**. Lead, calcium uptake and related genetic variants in association with renal cell carcinoma risk in a cohort of male Finnish smokers. *Cancer Epidemiology, Biomarkers and Prevention*. 21(1):191-201, 2012. PMID: 22086884 PMCID: PMC3601826
15. Wenrich TR\*, Brown JL, **Wilson RT**, Lengerich EJ. Impact of a community-based intervention on serving and intake of vegetables among low-income, rural Appalachian families. *Journal of Nutrition Education and Behavior*. 2012; 44(1):36-45. PMID: 22023910
16. **Wilson RT**, Roff AN, Dai PJ, Fortugno T\*\*, Douds J\*\*, Chen G, Grove G, Ongeri S\*\*, Barnholtz-Sloan J, Frudakis T, Chinchilli VM, Hartman TJ, Demers, LM, Shriver MD, Canfield VA, Cheng KC. Genetic Ancestry, Skin Reflectance and Pigmentation Genotypes in Association with Serum Vitamin D Metabolite Balance. *Hormone Molecular Biology and Clinical Investigation*. 2011; 7(1): 279–293. ISSN (Print): 1868-1883, PMCID: PMC3606023
17. **Wilson RT**, Giroux J, Kasicky KR\*\*, Fatupialto BH, Wood EC, Crichlow R, Sun Rhodes N, Tinguely J, Walling A, Langwell K, Cobb N. Breast and Cervical Cancer Screening Patterns among American Indian Women in Montana and Wyoming. *Public Health Reports*. 2011; 126(6): 806-15. PMID: 22043096, PMCID: PMC3185316
18. **Wilson RT**, Wang J\*\*, Chinchilli V, Richie J, Virtamo J, Moore LE, Albanes D. Fish, Vitamin D, and Flavonoids in Relation to Renal Cell Cancer among Smokers. *American Journal of Epidemiology* 2009; 170(6):717-29. PMID: 19651663, PMCID: PMC2768520
19. **Wilson RT**, Richardson LC, Kelly JJ, Lanier AP, Kaur J. Cancers of the Urinary Tract among American Indian and Alaska Natives in the United States, 1999-2004. *Cancer* 2008; 113(5 Suppl):1213-24. PMID: 18720377, PMCID: PMC3587982.
20. Wiggins C, Espey D, Wingo P, Kaur J, **Wilson RT**, Swan J, Miller B, Jim M, Lanier A.

- Cancer among American Indians and Alaska Natives in the United States, 1999-2004. *Cancer* 2008; 113(5 Suppl):1142-52. PMID: 1872037, Free Full Text:
21. Roff A, **Wilson RT**. A Novel SNP in a Vitamin D Response Element of the CYP24A1 Promoter Reduces Protein Binding, Transactivation, and Gene Expression. *The Journal of Steroid Biochemistry & Molecular Biology* 2008; 112:47–54. PMID: 18824104, PMCID: PMC2749287
  22. **Wilson RT**, Donahue M\*\*, Gridley G, Adami J, El Ghormli L, Dosemeci M. Occupational risks for transitional cell cancer of the bladder and renal pelvis in Sweden. *American Journal of Industrial Medicine* 2008; 51(2):83-99. PMID: 18067176, PMCID: PMC2800169
  23. Karami S, Brennan P, Hung RJ, Boffetta P, Toro J, **Wilson RT**, Zaridze D, Navratilova M, Chatterjee N, Mates D, Janout V, Kollarova H, Bencko V, Szeszenia-Dabrowska N, Holcatova I, Moukeria A, Welch R, Chanock S, Rothman N, Chow W-H, Moore LE. Vitamin D Receptor Polymorphisms and Renal Cancer Risk in Central and Eastern Europe. *Journal of Toxicology and Environmental Health, Part A: Current Issues* 2008; 71(6):367-72. PMID: 18246496, PMCID: PMC2799224
  24. **Wilson RT**, Adams-Cameron M, Burhansstipanov L, Roubidoux M.A, Cobb N, Lynch CF, Edwards B. Disparities in Breast Cancer Treatment Patterns among American Indian, Hispanic and Non-Hispanic White Women Enrolled in Medicare. *Journal of Health Care for the Poor and Underserved* 2007; 18(3):648-64. PMID: 17675720
  25. **Wilson RT**, Chase GA, Chrischilles E, Wallace RB. Hip Fracture Risk among Community-Dwelling Elders in the US: A Prospective Study of Physical, Cognitive and Socioeconomic Status Indicators. *American Journal of Public Health* 2006; 96(7):1210-8. PMID: 16735617, PMCID: PMC1483878
  26. Moore LE, **Wilson RT**, Campleman S. Lifestyle Factors, Exposures, Genetic Susceptibility and Renal Cell Cancer Risk: A Review. *Cancer Investigation* 2005; 23(3):240-55. PMID: 15945510
  27. **Wilson RT**, Dick JF\*\*, Cobb N. Accuracy of Administrative Data for Tracking Preventive Services among American Indian Cancer Patients. *IHS Primary Care Provider* 2005; 30(8):205-210.
  28. **Wilson RT**, Moore LE, Dosemeci M. Occupational Exposures and Salivary Gland Cancer Mortality among African American and White Workers in the United States. *Journal of Occupational and Environmental Medicine* 2004; 46:287-297. PMID: 15091292
  29. Doebbeling BN, Wyant DK, McCoy KD, Riggs S, Woolson RF, Wagner D, **Wilson RT**, Lynch CF. Linked Insurance-Tumor Registry Database for Health Services Research. *Medical Care* 1999; 37(11):1105-15. PMID: 10549613

30. Rogers A, **Wilson RT**. Representing Structural Change in US Migration Patterns. *Geographical Analysis* 1996; 28(1):1-17.

*Peer-Reviewed Journal Articles: Invited Commentary*

31. Thomas DC, Baurley J, Brown EE, Figueiredo J, Goldstein A, Hazra A, **Wilson RT**, Rothman N. Approaches to Complex Pathways in Molecular Epidemiology: Summary of an AACR Special Conference. *Cancer Research* 2008; 68(24):10028-30. PMID: 19074865
32. **Wilson RT**, Wallace RB. Trends in Hip Fracture Incidence in Young and Older Adults. [Invited commentary] *American Journal of Public Health* 2007; 97(10):1734-5. PMID: 17761556, PMCID: PMC1994179
33. Raynes-Greenow C, Gaudino JA, **Wilson RT**, Advani S\*, Weiss SH, Al Delaimy W. International Network for Epidemiology in Policy. Beyond simple disclosure: addressing concerns about industry influence on public health. [Invited commentary] *BMJ Global Health*. 2021; 6(2):e004824. doi: 10.1136/bmjgh-2020-004824. PMID: 33593759; PMCID: PMC7888365.
34. Smith MY, Hogan SA, Jack SM, **Wilson RT**, Oremus M. The case for using mixed methods for designing, implementing, and disseminating evidence-based interventions for public health practice. *J Public Health Policy*. 2022 Mar 23. doi: 10.1057/s41271-022-00343-z. Epub ahead of print. PMID: 35322177.

*Submitted Manuscripts*

1. **Wilson RT**, Safford S, Ostrom QT\*, Wang M, McDonald AC, Salzberg AC, Barnholtz-Sloan JS, Richie JP. Genetic factors associated with absolute and relative circulating concentrations of calcitriol. Under resubmission.

*Opinion Editorials*

1. **Wilson RT**, Troisi CL, Gary-Webb TL. A deficit of more than 250,000 public health workers is no way to fight Covid-19. *STAT First Opinion*. April 5, 2020. <https://www.statnews.com/2020/04/05/deficit-public-health-workers-no-way-to-fight-covid-19/>; <http://dx.doi.org/10.34944/dspace/6251>  
Cited by: [APHA](#), [Burns et al.](#), [Delaware Online](#), [Global Health Security Index](#), [Johns Hopkins Center for Health Security](#), [National Association of County and City Health Officials](#), [Satterfield et al.](#), [Senator Elizabeth Warren](#), [Scales et al.](#), and [The American Prospect](#), [United States Congress](#), [United States Senate](#), [University of Colorado Natural Hazards Center](#), and [USA Today](#).
2. Troisi CL, **Wilson RT**, Gary-Webb TL. Support public health epidemiologists to end this pandemic and prevent the next one. *Houston Chronicle*. May 5, 2020. <https://www.houstonchronicle.com/opinion/outlook/article/Support-public-health-epidemiologists-to-end-this-15224654.php>

### Book Chapters

1. **Wilson RT**, Silverman DK, Fraumeni JF, Curtis R. New malignancies following cancer of the bladder, renal pelvis, and kidney. In Curtis RE, Freedman DM, Ron E, Ries LAG, Hacker DG, Edwards BK, Tucker MA, Fraumeni JF, Jr. (eds) *New Malignancies Among Cancer Survivors: SEER Cancer Registries, 1973-2000*. (Bethesda, National Cancer Institute) NIH Publ. No. 05-5302, 2006.  
[http://seer.cancer.gov/publications/mpmono/MPMonograph\\_complete.pdf](http://seer.cancer.gov/publications/mpmono/MPMonograph_complete.pdf)
2. **Wilson RT**, Roff A, Douds J,\*\* Onger S.\*\* “Vitamin D and Cancer” in: *Biochemical Aspects of Human Nutrition* Avigliano L and Rossi L, eds. (Transworld Research Network: Kerala, India), 2011. ISBN 13: 978-81-7895-478-3.

### Policy Statements

1. American Public Health Association, Lead Author, “Reducing Occupational Exposure to Benzene in Workers and their Offspring.” Policy Date: 12/14/2005, Policy Number: 20056. <https://www.apha.org/Policies-and-Advocacy/Public-Health-Policy-Statements/Policy-Database/2014/07/09/14/47/Reducing-Occupational-Exposure-to-Benzene-in-Workers-and-Their-Offspring>
2. American Public Health Association, Epidemiology Section Editor, “Call for Education and Research into Vitamin D Deficiency/Insufficiency.” Policy Date: 10/28/2008, Policy Number 20081. [Call for Education and Research Into Vitamin D Deficiency/Insufficiency \(apha.org\)](http://www.apha.org/Policy-Statements/2008/10/28/20081-Call-for-Education-and-Research-into-Vitamin-D-Deficiency-Insufficiency)

### Published Abstracts

1. Wiggins CL, Espey DL, Cobb N, Key CR, Darling RR, Davidson AM, Puckett LL, Miller BA, **Wilson RT**, BK Edwards. Assessing and improving the quality of cancer surveillance data for American Indians in the Surveillance, Epidemiology, and End Results (SEER) Program. [Abstract] *Annals of Epidemiology* 2002; 23(7):531.
2. **Wilson RT**, Wang J\*\*, Chinchilli V, Richie J, Moore LE, Albanes D. Supplementary and Dietary Vitamin D Intake and Renal Cell Cancer Risk. [Abstract] *Journal of Nutrition* 2007; 137:293S.
3. **Wilson RT**, Bortner JD, Jr.\* , Berg A, Roff A, Das A, Richie J, Barnholtz-Sloan J, El-Bayoumy K. Cigarette smoking, race, and genetic ancestry in association with plasma vitamin D-binding protein (VDBP) in healthy African Americans (AA) and Caucasian Americans (CA) [Abstract] In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research; 2012 Mar 31-Apr 4; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2012;72(8 Suppl):Abstract nr 670. [doi:1538-7445.AM2012-670](https://doi.org/10.1158/1538-7445.AM2012-670)
4. Cuffee Y, Wang X, Geyer NR\*\*, Akuley S\*, Saxena SG\*\*, Jones LM, **Wilson RT**. Vitamin D and family history of hypertension in relation to hypertension status among college students. *International Journal of Epidemiology*; 01 Sep 2021

### Reports

1. **Wilson RT.** *Patterns of Care Among Native American Cancer Patients: Diagnosis Code Validation.* Report to Phoenix Indian Medical Center and IHS Cancer Prevention & Control, Headquarters West. October, 1999.
2. **Wilson RT**, Dick JF\*\*, Cobb N. *Patterns of Care Among Native American Cancer Patients, Phase II. Preventive Services Received by Cancer Patients: Chart vs. Electronic Medical Records.* October, 1999.
3. **Wilson RT.** *Patterns of Care Among Native American Cancer Patients: Diagnosis Code Validation.* Report to Albuquerque Indian Hospital and IHS Cancer Prevention & Control, Headquarters West. September, 1999.
4. **Wilson RT.** *Researcher's Manual and SAS Programs to Accompany the Indian Health Service and National Cancer Institute Patterns of Care Among Native American Cancer Patients Data Retrieval System, Version 2.0 User's Manual and Installation Guide.* January 2001.
5. **Wilson RT.** *Patterns of Care Among Native American Cancer Patients: Final Report.* December, 2001.

### Theses

1. **Wilson RT.** Poverty or Development? Regional Analysis of HIV Prevalence in Sub-Saharan Africa. MA, University of Colorado.  
<http://libraries.colorado.edu/search~S3?/IT+1995+.W697/lt+1995+w697/-3%2C-1%2C0%2CB/frameset&FF=lt+1995+w697&1%2C1%2C>
2. **Wilson RT.** The Role of Primary Care Patterns in Stage at Diagnosis Outcomes Among American Indian Cancer Patients: New Mexico and Arizona, 1994-97. PhD, University of Iowa. <https://isni.org/isni/000000004106065X>

### Patents Filed

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**Wilson RT**, U.S. Provisional Patent No. 63/230,245, filed August 6, 2021  
Title: "Method of diagnosis, prognosis and treatment of vitamin D deficiency and vitamin D imbalances and diseases and disorders associated thereof."

### Published Protocols

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Robin Taylor Wilson, Resa M. Jones, Samantha J. Holtz\*\*, Allison H. Stranick\*\*, Susan Wood, and Marina Oktapodas Feiler. Environmental Exposure to Per- and Polyfluoroalkyl Substances and Cancer Risk: A Scoping Review. March 9, 2022. Open Science Framework Registries [OSF Registries | Environmental Exposure to Per- and Polyfluoroalkyl Substances and Cancer Risk: A Scoping Review](#). DOI: [10.17605/OSF.IO/J8AQM](https://doi.org/10.17605/OSF.IO/J8AQM)

Purpose. We will conduct a scoping systematic review of PFAS exposure and cancer outcomes to 1) determine what susceptibility factors have been studied to date, 2) describe the results and quality of this

work through a risk of bias assessment, and 3) highlight areas of needed research. For this protocol, we will use the National Toxicology Program's (NTP) Office of Health Assessment and Translation (OHAT) Framework for Systematic Review and the Preferred Reporting Items of Systematic Reviews and Meta-Analyses guide for Scoping Reviews (PRISMA-SCR)(Tricco, 2018; <http://prisma-statement.org/>). The protocol, including the search strategy, and list of included/excluded studies along with the reason for exclusion will be uploaded and time stamped on the Open Science Framework platform (<https://www.cos.io/services/research>) for transparency purposes.

## **Honors, Awards and Special Scientific Recognition**

### *Faculty/Professional Recognition*

1. Faculty Merit Award, Temple University, 2020, 2021 and 2022.
2. Board Member, International Network for Epidemiology in Policy (INEP) <https://epidemiologyinpolicy.org>, formerly the International Joint Policy Committee of the Societies of Epidemiology, September 2017 to present.
3. Policy Co-Chair, Epidemiology Section, American Public Health Association (<https://www.apha.org/apha-communities/member-sections/epidemiology>), November 2017 to November 2020.
4. Secretary and Executive Committee Member, International Network for Epidemiology in Policy (formerly, the International Joint Policy Committee of the Societies of Epidemiology, 2016 to 2017.
5. Chair, Epidemiology Section of the American Public Health Association, 2013 to 2015.
6. Dean's Diversity Champion Award, Pennsylvania State University College of Medicine, inaugural awardee, January 2012. <https://news.psu.edu/story/151240/2012/02/29/inaugural-deans-diversity-champions-award-presented>
7. Visiting Faculty, Faculty of Health and Medicine, Center for Health Informatics Computing and Statistics (CHICAS), Lancaster University, United Kingdom, September 2011 to December 2011. Dr. Peter Diggle, Distinguished University Professor of Statistics.
8. Delta Omega Honorary Society in Public Health, Alpha Phi Chapter, University of Iowa, April 2011.
9. Samuel F. Hinkle Outstanding Young Investigator Award Finalist, Pennsylvania State University Hershey College of Medicine, February 2010.
10. National Institutes of Health, Career Development Award (K22), *Functional Vitamin D Receptor Gene Variants and Racial/Ethnic Cancer Disparities*, 2008 to 2011.
11. Outstanding Mentor Award, Medical Student Association, Pennsylvania State University College of Medicine, 2008.

12. Regional Judge, Young Epidemiology Scholars, Robert Wood Johnson, April 2006 to April 2011.
13. Faculty Affiliate, Pennsylvania State University Center for Population Health and Aging, September 2006 to 2008.
14. Pew Scholars Program in the Biomedical Sciences Nominee for the Pennsylvania State University College of Medicine, September 2005.
15. Governing Councilor, American Public Health Association, elected to serve August 2005 to November 2009.

*Doctoral Student Recognition*

1. Laurence G. Branch Doctoral Student Research Award, American Public Health Association, Aging and Public Health Section (formerly the Gerontological Health Section), 2000.
2. Student Research Travel Award, Epidemiology Section, American Public Health Association, 2000.
3. E. Peter Isaacson Cancer Epidemiology Scholarship, University of Iowa, 2000.
4. University of Iowa College of Public Health, Department of Epidemiology, Academic Achievement Award, 2000.
5. University of Iowa Department of Preventive Medicine, Academic Scholarship Award, 1996.
6. University of Iowa Center for International Rural and Environmental Health Award: 'Infant Visual Acuity in Relation to Nutrition in an Endemic Malarial Region,' 1996.
7. Foreign Language and Area Studies Fellowship, US Department of Education, 1996.
8. Southeast Asian Summer Studies Institute Academic Scholarship, Thai Language, Arizona State University, 1996.

*Undergraduate Student Recognition, Drake University*

1. Magna Cum Laude
2. Phi Beta Kappa
3. Omicron Delta Kappa
4. Mortar Board

5. Phi Eta Sigma Freshman Honor Fraternity
6. College Honors Program Graduate
7. E. Cameroon Women in Mathematics Scholar
8. Mathematical Association of America, Iowa Section, 1991 Student Paper Award, “Political Power and Electoral Reform in Britain”
9. Parliamentary Intern, Alan Amos, MP for Hexham, London, UK, September-December 1990.
10. Mathematical Association of America, Iowa Section, 1990 Student Paper Award, “Binary Codes for Acyclic Graphs”
11. Student Senator for the College of Arts and Sciences, 1989-90
12. Drake University Presidents’ Scholar, 1987

### **Current Funding**

1. Co-Investigator, “Enhanced Spatial Analysis Assessing the Association between PFAS and Cancer Incidence,” Jones RM (PI), Wheeler D (Co-I), Pennsylvania Department of Health, \$1,640,000. Start date to be announced.
2. Co-Investigator, “Pennsylvania: Multi-site Study of the Health Implications of Exposure to PFAS-contaminated Drinking Water,” Brown LM (Contact Co-PI), Watkins SM (Co-PI), Jones RM, Savitz DA, Wilson RT. October 1, 2019 to September 30, 2024. 1 U01 TS000301-01, \$1,290,967 (total subaward to Temple University) [PA PFAS Multi-site Health Study \(rti.org\)](#)

Aim 1: Collect high-quality, standardized PFAS exposure and health outcome data from adults and children (ages 4–17) probabilistically sampled from the affected communities. Aim 2: Triangulate the population’s PFAS exposures through measured serum levels and the conduct of PFAS water reconstruction and serum modeling to assess the effect of prolonged PFAS exposure on the health of adults and children. Aim 3a: Conduct Enhanced PFAS Spatial Analysis to assess the association between PFAS-contaminated water exposure and select cancers using population-based incident cases and controls. Aim 3b: Conduct Enhanced Family Cancer Surveillance to determine whether the level of PFAS exposure is associated with increased thyroid and kidney cancer risk relative to family controls.
3. Co-Principal Investigator, “A collaborative data collection and analysis for inquiry-based experiential learning for health sciences related STEM education” NIH SBIR Fast-Track, Dirk Swart (PI), Wicked Device, LLC, Ithaca, NY, September 11, 2018 to September 10, 2022, \$1,710,738.51 (total); 1R44GM130255-01 \$675,000.00 (total subaward, one year no cost extension) [Technology-linked Epidemiology Education Network \(temple.edu\)](#)

The demand for U.S. workforce trained in STEM (science, technology, engineering, and math) is growing, even as student scores and interest in these areas lag. In order to encourage students of all backgrounds to pursue careers in STEM, they must be provided with meaningful, practical and applicable educational opportunities that create connections between STEM and the real world. To this end, Wicked Device is

developing an engaging, flexible, low-cost and inclusive cloud-based data sharing system for schools that stands apart in its ability to support inquiry-based opportunities that align with students' own intrinsic interests, allowing them to address challenging questions that foster scientific discovery and literacy.

4. Co-Investigator, "Supplement to "Pennsylvania: Multi-site Study of the Health Implications of Exposure to PFAS-contaminated Drinking Water," Brown LM (Contact Co-PI), Watkins SM (Co-PI), Jones RM, Savitz DA, Wilson RT. 1 U01 TS000301-01, \$200,000 (total subaward to Temple University). [PA PFAS Multi-site Health Study \(rti.org\)](#)

Conduct geospatial analysis of the association between PFAS-contaminated water exposure and select cancers using population-based incident cases and controls.

### **Pending Funding as of June 2022**

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1. Investigation of Vitamin D Pathway Polymorphic Variants and DNA Damage Repair in Early-Onset Renal Cell Carcinoma, Arora S\*\* (PI), **Wilson RT** (Lead Mentor and Co-Investigator), Hall M, Ghatalia P. United States Department of Defense, Idea Development Award - Early-Career Investigator - letter of intent, US Department of Defense, June 2, 2022.
2. Genotype-Phenotype Biomarkers of Vitamin D-DNA repair in early onset renal cell carcinoma, Arora S (Co-PI), **Wilson RT** (Co-PI). Kidney Cancer Foundation, Trailblazer Award, Letter of Intent, Submitted March 31, 2022.
3. Circulating Vitamin D Metabolites and Per- and Polyfluoroalkyl Substances Among Healthy Young Adults, **Wilson RT** (PI). NIH/NIEHS R21, \$429,790 (total), Submitted February 14, 2022.
4. Renal Cell Cancer Risk and Familial Cancer Clustering following Intergenerational PFAS Exposure, **Wilson RT** (PI). NIH/NCI R01, \$3,812,452 (total), National Institutes of Health, Resubmission July 2022.

Early onset renal cell cancer (eoRCC, diagnosis before age 50) is one of the most rapidly increasing cancers worldwide yet a large proportion (>90%) remain unexplained. Within a region of high exposure to per- and polyfluoroalkyl substances (PFAS), we have identified 1) a higher incidence of eoRCC, compared with the US; 2) a significantly higher vitamin D pathway genetic risk score (VDGRS) among eoRCC compared with the general population ( $p=0.002$ ); 3) a high prevalence of germline variants bioinformatically predicted as pathogenic to genome stability; and 4) a moderately high positive correlation ( $\rho=0.69$ ) between the VDGRS and in vitro fold-induction of DNA damage (aphidicolin-induced  $\gamma$ -H2AX) in eoRCC patient lymphocytes. Our goal is to estimate the risk associated with genetic variants within the vitamin D and DNA repair pathways with a focus on development of GRS for eoRCC in PFAS-exposed populations and/or high-risk families.

5. Faculty Mentor, Post-Doctoral Research Training Program in Cancer Prevention and Control, NIH/NCI T32. Fang C (PI). Submitted May 25, 2022.

## **Funding Submitted**

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1. Genotype-Phenotype Biomarkers of Early Onset Renal Cell Cancer in High-Risk Individuals, **Wilson RT** (Co-PI) and Arora (Co-PI). Fox Chase Cancer Center Multi-PI Pilot Fund Award, \$50,000 (total), Submitted March 3, 2022. To be resubmitted September 2022.
2. Investigation of Vitamin D and DNA Repair in Early-Onset Kidney Cancer, Arora (Co-PI) and **Wilson RT** (Co-PI). Temple University DCCB, Translational Pilot Award, \$50,000 (total), Submitted February 21, 2022. Resubmission status dependent upon RFA reissue.
6. Investigation of Vitamin D Pathway Polymorphic Variants and DNA repair in Early Onset Renal Cell Carcinoma, Arora S (Co-PI) and **Wilson RT** (Co-PI). Mathers Foundation, \$125,000 (direct), Letter of Intent, Submitted December 2021. Resubmission not planned.
7. Literacy in Environmental Epidemiology Development (LEED), **Wilson RT** (PI). NIH/NIGMS R43/44 \$743,716 (total), Submitted November 2021. No current plan to resubmit.
8. Investigation of Vitamin D Pathway Polymorphic Variants and DNA Damage Repair in Early-Onset Renal Cell Carcinoma, Arora S (PI), **Wilson RT** (Lead Mentor and Co-Investigator). United States Department of Defense, Idea Development Award - Early-Career Investigator - Population Science and Prevention Studies, \$3,597,524 (total), Submitted September 14, 2021. Scored priority 2. To be resubmitted Fall 2022 if re-invited based on letter of intent.

The purpose of this study is to determine whether common genetic variants known to be associated with lower concentrations of vitamin D (i.e., 25(OH)D<sub>3</sub>, 24,25(OH)<sub>2</sub>D<sub>3</sub>, and/or 1,25(OH)<sub>2</sub>D<sub>3</sub>) are also associated with 1) early onset renal cell cancer, 2) lymphocyte evidence of reduced DNA repair/increased DNA damage; and/or 3) experimentally-induced altered PARP-inhibitor response in RCC cell lines.

9. Intergenerational PFAS Exposure and Cancer Endpoints (I-PEACE) Cohort, **Wilson RT** (PI). National Cancer Institute/NIH, Submitted January 29, 2021, \$15,874,122.00 (total). Not funded. RFA not resubmitted.

In the US, over 16.5 million people have been exposed to per- and polyfluoroalkyl substances (PFAS) in drinking water at concentrations above the US EPA Health Advisory Limit (HAL) of 70 ppt. While at least three environmentally prevalent PFAS have been associated with cancer in more than one study and PFAS have been mechanistically shown to alter cell signaling through nuclear receptors and transcription factors (NR/TF), no gene x environment interaction investigation of PFAS has been conducted with respect to cancer risk. Therefore, the purpose of this study is to identify key susceptibility factors through PFAS gene and environment interactions in epidemiologic studies, supported by environmental and molecular modeling.

10. Thinkdemic: Student-led health research interventions for increasing science motivation and careers, **Wilson RT** (Co-PI) and Rutherford T (Co-PI). National Institutes of

General Medical Sciences NIH/NIGMS \$1,788,126 (total), Submitted October 14, 2020. Not funded. Spoke with Program Officials. No current plan to resubmit.

Current undergraduate training in research provides insufficient training in biomedical translational research and team science. Training in epidemiology and evidence-based interventions using project-based learning is hypothesized as one way to increase research readiness and science motivation among undergraduates. Delivery of this intervention will be carried out through adaptation of the Thinkdemic blended learning collaborative online learning platform.

11. Artificial Intelligence (AI)-Enhanced Exposure Assessment in Hypothesis-Driven Project-Based Learning, Swart D (Co-PI) and **Wilson RT** (Co-PI). NIH/NIGMS, Submitted September 8, 2020. Not funded. Will not be resubmitted.
12. Administrative Supplement for Covid-19, A Collaborative Data Collection and Analysis For Inquiry-Based Experiential Learning For Health Sciences Related STEM Education, Swart D (Co-PI), **Wilson RT** (Co-PI), 1 R44 GM130255-01 NIH/NIGMS, Submitted August 2, 2020. Not Funded. Will not be resubmitted.
13. Bitter-Taste Function, Diet Quality, And Risk of Colon Cancer, Lambert J (PI), **Wilson RT** (Consultant). American Institute for Cancer Research, submitted May 9, 2020 to Not funded. Resubmission status not known.
14. Crisis-Responsive Curriculum: Online Modules for Engaging Students in Solutions-Focused COVID-19 Epidemiologic Education, National Science Foundation. Teomara Rutherford (PI), **Wilson RT** (Co-Investigator), 2-Page Concept Submitted March 13, 2020. Not funded. Will not be resubmitted.

### **Completed Funding**

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1. Co-Investigator, "Health impacts of roadway dust and groundwater following treatment with oil and gas fluids," Warner N (PI), Chase E, Grady C, Braiser K, Freedman M, Burgos W, Dorman F, Vanden Heuvel J, Wilson RT. Pennsylvania State University Institutes of Energy and the Environment Seed Grant Program, July 1, 2018 to June 30, 2021, \$50,000.00 (direct).

The aim of this project is to identify routes of human exposure as well as potential human health impacts from the application of oil and gas waste fluids as dust suppressants on unpaved roads.

2. Co-Investigator, Pennsylvania State University College of Agricultural Sciences, Strategic Network Initiative Programs, *From Farm to Fork: An integrated approach to what we eat, why we eat it, and what it might do to our health*. Josh Lambert (PI), February 2018 to 2019, \$25,000 (direct), contributed effort.

Our goal is to establish a cross-disciplinary dialog via a new seminar series, investigator meetings to discuss research findings and opportunities for collaboration, and the development of a seed project to support applications for external funding. The long-term goal is to develop an integrated understanding of how diet impacts health both in terms of the intrinsic bioactivity of the foods as well as the drivers of consumer food choice

3. Principal Investigator, Pennsylvania Department of Health Epidemiological Consultation and Support, General Support, DOH Bureau of Epidemiology July 2<sup>nd</sup> 2018 to June 30<sup>th</sup> 2019, No. 4300592276, \$180,893.44 (total), 2.5% effort.

The purpose of this project is to provide epidemiologic consult support to the Pennsylvania Department of Health.

4. Co-Investigator, “Impact of a Post-Operative Dietary Intervention on Wound Healing in Late Stage Head and Neck Cancer Patients,” Pennsylvania State University Cancer Institute, Neerav Goyal and Joshua Lambert, Co-PIs August 1, 2017 to July 31, 2019 \$25,000.00 (direct), contributed effort.

The purpose of this study is to conduct a pilot investigation of enhanced anthocyanin and vitamin D nutrition among late stage head and neck cancer patients in a three week enteral feeding intervention given immediately post-surgery in order to: improve surgical wound healing outcomes; and determine the impact on blood and urinary biomarkers of inflammation, hypoxia and oxidative stress.

5. Principal Investigator, Pennsylvania State University Tobacco Center of Regulatory Science (TCORS) Pilot Project: *E-cigarette Use among College-age Students in Association with Biomarkers of Bone Health*, NIH/NIDA 5P50 DA036107-04 Joshua Muscat and Jonathan Foulds, Co-PIs August 1<sup>st</sup> 2016 to July 31<sup>st</sup> 2018, \$49,896.08 (direct)
6. Lead Consultant, “*CDC-RFA-CE16-1608 Enhanced State Surveillance of Opioid-Involved Morbidity and Mortality Funding Opportunity –Pennsylvania*.” Pennsylvania Department of Health, Health Innovation Deputate, Lauren S. Hughes, Deputy Secretary, June to September 30<sup>th</sup>, 2016
7. Principal Investigator, Pennsylvania Department of Health Epidemiological Consultation and Support, Environmental Health Tracking and Zika Virus Response, PA DOH No. 4300531454, December 7<sup>th</sup> 2016 to June 30<sup>th</sup> 2018, \$264,999.84 (total)
8. Principal Investigator, Pennsylvania Department of Health Epidemiological Consultation and Support PA DOH No. 4300555809, July 5<sup>th</sup> 2017 to June 30<sup>th</sup> 2018, \$189,310.12 (total)
9. Principal Investigator, *Early Preparation and Inspiration for Careers in the Biomedical Sciences*, NIH/NIGMS, July 1<sup>st</sup> 2013 to April 30<sup>th</sup> 2018, \$790,000.00 (direct) 1R01GM107715-01
10. Principal Investigator, *Genetic, Dietary and Environmental Influences on Vitamin D Metabolism*, American Institute for Cancer Research, 209517-REV1, January 1<sup>st</sup> 2013 to April 30<sup>th</sup> 2017, \$225,000.00 (direct)
11. Principal Investigator, Pennsylvania Department of Health Epidemiological Consultation and Support, Healthcare Associated Infections, Bureau of Epidemiology, PA DOH No. 4400015622, September 7<sup>th</sup> 2017 to March 30<sup>th</sup> 2018, \$81,798.00 (total)

12. Consultant, “Enhanced State Surveillance of Opioid-Involved Morbidity and Mortality,” Pennsylvania Department of Health, Health Innovation Deputate, PA DOH No. 4400008014, June 2016 to January 2017, Lauren M. Hughes, PA Deputy Secretary of Health, \$14,976.00 (direct)
13. Principal Investigator, *The Pennsylvania State University Epidemiology Challenge*, The Foundation for Enhancing Communities/Whitaker Fund for Science and Math, TFEC No. 188106, August 1<sup>st</sup> 2016 to July 31<sup>st</sup> 2017 \$10,000.00 (direct)
14. Consultant, “Pennsylvania Expanded HIV Testing Initiative (PEHTI),” Pennsylvania Department of Health, PADOH No. 4300327779, March 26<sup>th</sup> 2012 to December 31<sup>st</sup> 2014, Vernon M. Chinchilli (PI), \$1,737,896.71 (total)
15. Principal Investigator, “Genetics of Vitamin D Metabolism,” US Department of Navy National Functional Genomics Center award to the Center for Pharmacogenetics, Penn State Cancer Institute, Pennsylvania State University College of Medicine, October 1<sup>st</sup> 2010 to June 30<sup>th</sup> 2013, \$75,000.00 (direct)
16. Principal Investigator, “Functional Vitamin D Receptor Gene Variants and Racial/Ethnic Cancer Disparities,” National Institutes of Health, 1 K22 CA120092-01A2, September 1<sup>st</sup> 2008 to August 31<sup>st</sup> 2011, \$412,261.00 (direct)
17. Principal Investigator, “Exposure to Divalent Heavy Metals in Fish and Tobacco, Biomarkers of Susceptibility and Risk of Renal Cell Cancer,” American Institute for Cancer Research, 08A024-REV2, January 1<sup>st</sup> 2009 to June 30<sup>th</sup> 2011, \$165,000.00 (direct)
18. Principal Investigator, “Supplement to Functional Vitamin D Receptor Gene Variants and Racial/Ethnic Cancer Disparities,” National Institutes of Health, National Cancer Institute, 1 K22 CA120092-01A2 Supplement, September 1<sup>st</sup> 2009 to August 31<sup>st</sup> 2011, \$50,000.00 (direct)
19. Co-Investigator, “Polymorphisms in the 1,25D<sub>3</sub>-MARRS Receptor: Characterization and Association with Serum Vitamin D levels,” Safford, S. (PI), Pennsylvania Department of Health Tobacco Settlement Fund, March 1, 2010 to February 28, 2012, \$30,970.00 (direct)
20. PI of Subcontract, “Strengthening Research Infrastructure at Lincoln University,” Nelson (PI), National Institutes of Health, 5P20MD003352-03, February 14<sup>th</sup> 2011 to February 13<sup>th</sup> 2012. Sub-project “Polymorphisms in 1,25D<sub>3</sub>-MARRS” \$25,000.00 (direct)
21. Co-Investigator, “Investigation of the Signaling Pathway Activated by 1,25D<sub>3</sub>-MARRS Receptor,” Safford, S. (PI), National Institutes of Health NIGMS, 3SC1GM082365-02S109 September 1<sup>st</sup> 2009 to December 31<sup>st</sup> 2010, \$49,184.00 (direct)
22. Co-Investigator, “Alterations in the MEP1A Gene Increase Susceptibility to IBD,” Matters, G. (PI) Pennsylvania State University College of Medicine, Department of

- Colon and Rectal Surgery, July 1<sup>st</sup> 2007 to June 30<sup>th</sup> 2009, IBD Carlino Gift Fund, \$60,000.00 (direct)
23. Principal Investigator, “Pennsylvania Study of Intergenerational Health, Vitality and Environment (PennSIVE),” Pennsylvania State University Center for Population Health and Aging, National Institutes of Aging Pilot Program. \$29,352 (direct), December 1<sup>st</sup> 2007 to June 30<sup>th</sup> 2009
  24. Principal Consultant, Rocky Mountain Tribal Epidemiology Center “Research on Factors Contributing to Breast and Cervical Cancer Outcomes Among American Indian Women in Montana,” Belcourt, G. (PI), Montana-Wyoming Tribal Leaders Council; Sub-project for *Building Health Services Research Capacity for Tribes in Montana and Wyoming*, Agency for Healthcare Research and Quality, AHRQ R24 HS14034, October 1<sup>st</sup> 2006 to September 31<sup>st</sup> 2008
  25. Principal Investigator, “Environmental Heavy Metals, Biomarkers of Susceptibility and Renal Cancer,” Pennsylvania State University College of Medicine Research Start-up Grant, Penn State Tobacco Settlement Funds, January 1<sup>st</sup> 2008 to June 30<sup>th</sup> 2008, \$45,300 (total)
  26. Principal Investigator, “Obesity Intervention Biomarker Follow-Up Study in Rural Pennsylvania Families,” Pennsylvania State University Children, Youth and Families Consortium, September 2007 to August 2008, \$20,271 (direct)
  27. Principal Investigator, “Northern Appalachian Intergenerational Study of Health Improvement (NAISHI) Study Development Initiative,” Pennsylvania State University Center for Population Health and Aging, September 1<sup>st</sup> 2007 to September 1<sup>st</sup> 2008, \$7,000 (direct)
  28. Co-Investigator, “A Model GIS/Atlas for State Comprehensive Cancer Control” Association of American Medical Colleges, U36/CCU 319276, Eugene J. Lengerich (PI), October 1<sup>st</sup> 2003 to September 30<sup>th</sup> 2006, \$171,638.00 (direct)
  29. Co-Investigator, “Obesity and Cancer Risk in Rural Pennsylvania,” Pennsylvania State University Outreach Health Thematic Initiative Fund, Eugene Lengerich (PI), February 1<sup>st</sup> 2006 to December 31<sup>st</sup> 2007, \$25,000.00 (direct)
  30. Principal Investigator, “Risk of Low Vitamin D Status and Function: Self-Reported Race, Population Ancestry, and Skin Reflectance” Pennsylvania State University General Clinical Research Center, February 1<sup>st</sup> 2006 to January 31<sup>st</sup> 2007, \$17,878.00 (direct)
  31. Principal Investigator, “Risk of Low Vitamin D Status and Function: Self-Reported Race, Population Ancestry, and Skin Reflectance” Pennsylvania State University Population Research Institute, December 1<sup>st</sup> 2005 to November 30<sup>th</sup> 2006, \$5,734.00 (direct)

## **Mentoring and Supervisory Roles**

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### *High School Students*

1. Timothy Nevil, Middletown Area High School Internship Program with Pennsylvania State University, September 2018 to June 2019.
2. Raabia Hashmi, Cedar Cliff High School Internship Program with Pennsylvania State University, July 2016 to August 2017, Class of 2017.
3. Andrew Yeich, Middletown Area High School Internship Program with Pennsylvania State University, September 2015 to June 2016, Class of 2016.
4. Paige Byers, Cedar Cliff High School Student, Pennsylvania State University Department of Public Health Sciences Internship Program, September 2013 to June 2014.

### *Undergraduate Students/Bachelor's level staff*

5. Chanele Lomax, Temple University/Fox Chase Cancer Center and Hunter College Summer Cancer Research Institute (SCRI) Fellow, *Risk Factors Related to Early Onset Renal Cell Cancer*. Research mentor, April 2022 to present.
6. Murad H. Wali, Temple University College of Public Health, *Per- and Polyfluoroalkyl Substances and Cancer Risk*. Research Mentor, April 2022 to present.
7. Umer Rehman, Undergraduate Intern, Temple University College of Public Health, *Childhood Leukemia and Pesticide Exposure*. Research mentor, September 2021 to present.
8. Brittany M. Yancey, Temple University Summer Research Opportunities Program (SROP) Awardee, Lewis Katz School of Medicine, *Racial/ethnic disparities in Eosinophilic Esophagitis (EoE)*. Research co-Mentor with Kelly A. Whelan, PhD, May 2021 to July 2021.
9. Maximilian J. Adams, Undergraduate Intern from Temple University College of Public Health, *Chemical Risk Assessments for Residential PM<sub>10</sub> Dust Ingestion of Trace Metals from Unpaved Roads Treated with Oil & Gas Produced Brine Dust Suppressants*. Research mentor, October 2020 to May 2020.
10. Allison H. Stranick, Undergraduate Intern from Gettysburg College, Temple University College of Public Health, *A Scoping Systematic Review of the Association between Exposure to Per- and Polyfluoroalkyl Substances (PFAS) and Common Cancer Sites among At-risk Populations*. Research mentor, May 2020 to August 2021.
11. Meredith Hazen, Pennsylvania State University Department of Public Health Sciences Internship Program. Research mentor, January 2018 to May 2019.

12. Laura E. Ohl, Pennsylvania State University College of Medicine Summer Undergraduate Research Intern Program (SURIP), Pennsylvania State University. Research mentor, May 2016 to August 2016,
13. Taylor M. (Ottomano) Etzel, Pennsylvania State University Department of Public Health Sciences Internship Program. *Racial/ethnic Differences in Vitamin D Metabolism*, September 2014 to August 2015.
14. Kelly J. McGill, Pennsylvania State University College of Medicine Summer Undergraduate Research Intern Program (SURIP), *A Polymorphism in a Negative Vitamin D Response Element in CYP27B1*, Pennsylvania State University Class of 2015. Research mentor, May to July 2014.
15. Bruce Miller, Pennsylvania State University Department of Public Health Sciences Internship Program. Research mentor, August 2012 to February 2013.
16. Lindsey Wenger, Pennsylvania State University Department of Public Health Sciences. Supervisor, March 2012 to August 2012.
17. Tracey Fortugno, Pennsylvania State University Department of Public Health Sciences. Supervisor, May 2010 to June 2011
18. Angelica Martinez, Pennsylvania State University College of Medicine Summer Undergraduate Research Internship Program (SURIP), Lincoln University Class of 2010. Research mentor, June to August 2009.
19. Kristin Knepp, Pennsylvania State University Department of Public Health Sciences Internship Program, *Heavy Metals and Kidney Cancer*. Research mentor, January to May 2008.
20. Jenna Trosko, University of Pennsylvania Class of 2008, Pennsylvania State University Undergraduate Intern, Pennsylvania State University Hershey Cancer Institute. Research co-Mentor with Dr. Keith Cheng, June to August 2007.
21. Mark Donahue, Post-Baccalaureate Research Fellowship Program, Occupational & Environmental Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, September 2003 to September 2004.
22. Tiffany Jones, Pre-Baccalaureate Research Fellowship, Occupational & Environmental Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Summer 2004, Tougaloo College Class of 2005.

#### *Medical Students*

23. Justin Loloi, MD Student Intern, February 2018 to May 2018. *Systematic Review of Factors Associated with Head and Neck Cancer Survival*, research co-Mentor.

24. Brandon LaBarge, MD Student Research Internship Rotation Mentor. *Three Mile Island Systematic Review*. Research mentor, July 2017 to June 2019.
25. Dan Holsinger, Pennsylvania State University Medical Student Research Program, Class of 2016. *Vitamin D Metabolism in Elite College Athletes*, co-Advisor, Pennsylvania State University College of Medicine, December 2015 to May 2016,
26. Sheila Ongerik Nikiforova, Pennsylvania State University Medical Student Research Program Intern, *Vitamin D and Racial/Ethnic Disparities*. Research mentor, October 2013 to June 2014.
27. Emily Southard, Pennsylvania State University Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2013, *Exposure to Divalent Heavy Metals, Biomarkers of Susceptibility, and Risk of Renal Cell Cancer*. Research mentor, October 2009 to June 2010.  
College of Medicine Medical Student Research Award 2010
28. Ania Swiatoniowski, PhD *Crohn's Disease and Vitamin D Metabolism*, Pennsylvania State University Department of Anthropology, University Park, Dr. Nina Jablonski, Chair. Comprehensive Exam and Thesis Committee Member, November 2009 to May 2012.
29. Joanna Olson, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2012, *Effects of Participation in an Influenza-like-illness Surveillance Program on Submission of Influenza Specimens for Surveillance*. Research Mentor, October 2011 to May 2012.
30. Riva Das, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2012, *The Effects of Heavy Metals in Potato Crops on the Renal Function of Bolivians*. Research mentor October 2009 to May 2009  
College of Medicine Medical Student Research Award 2009
31. Sara Farag, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2012, *Hypertension in Indigenous Bolivians and its Relation to Heavy Metals in Potatoes*. Research mentor, October 2009 to May 2009.  
Lloyd Scholarship for International Medical Research 2009
32. Jonathan Douds, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2012, *Functional Vitamin D Receptor Gene Variants and Racial/Ethnic Disparities*. Research mentor, May 2009 to August 2009.
33. Michael Farbaniec, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2010, *Acute Lymphoblastic Leukemia in Children and Its Relationship to Parental Pesticide Exposure*. Research mentor, October 2008 to May 2009.
34. Jubril Oyeyemi, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2009, *Is there a racial disparity in the occurrence of*

*secondary renal cancer following nephrectomy for primary renal cell cancer?* Research mentor, January to May 2009.

35. Renee Bjorklund, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2009, *Renal cell carcinoma (RCC) incidence and mortality in New Mexico and its Relation to Public Drinking Water*. Research mentor, October 2006 to May 2007.

Pennsylvania State University Wilcox Cross-Cultural Medical Student Research Award 2007

36. Kathryn Kasicky, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2008, *Breast and Cervical Cancer Screening Patterns among American Indian Women in Montana and Wyoming*. Research mentor, October 2006 to May 2007.

College of Medicine Medical Student Research Award 2007

Pennsylvania State University College of Medicine Best Student Paper Award 2008

37. Nicole Saddic, Medical Student Research Program, Pennsylvania State University College of Medicine Class of 2008, *Clinical Features, Demographics, and Risk Factors of Large Granular Lymphocyte Leukemia in 41 Cases from the Large Granular Lymphocyte Leukemia Registry*. Research mentor, October 2006 to May 2007.

#### *Master's Students/MS-level Staff*

38. Kalie Berman, MPH Student, Temple University MPH Fieldwork Mentor, *Investigating Renal Cell Cancer Risks Over Time Associated with Hypertension and Calcium*, Department of Epidemiology and Biostatistics, May 2022 to present.

39. Mersi Schueck, MPH Student, Research Intern, *The Technology-Linked Epidemiology Education Network*, Temple University Department of Epidemiology and Biostatistics, College of Public Health, October 2021 to April 2022.

40. Alexandra Ruth, MPH, Research Project Manager, Temple University Department of Epidemiology and Biostatistics, July 2021 to present.

41. Anyun Chatterjee, MPH, Curriculum Development Assistant, *The Technology-Linked Epidemiology Education Network*, Temple University Department of Epidemiology and Biostatistics, College of Public Health. March 2020 to February 2021.

42. Samantha Holtz, MPH Graduate Research Assistant, Temple University Department of Epidemiology and Biostatistics, College of Public Health, *A Scoping Systematic Review of the Association between Exposure to Per- and Polyfluoroalkyl Substances (PFAS) and Rare Cancer Sites among At-risk Populations*. January 2020 to May 2022.

43. Samantha Smith, MPH Graduate Research Assistant, Temple University Department of Epidemiology and Biostatistics, College of Public Health. October 2020 to August 2021.

44. Hiroshi James Inuzuka, MS Student, Thesis Chair, Department of Epidemiology and Biostatistics, Temple University College of Public Health, *Association between High*

*Caffeine Consumption and Lowered Renal Function Among Normotensive Adults in the United States.* April 2020 to July 2021.

45. Alexis Mattei, MS, Project Manager, Temple University Department of Epidemiology and Biostatistics, September 2019 to October 2020.

Alexandra Ruth, MPH Graduate Research Assistant, Temple University Department of Epidemiology and Biostatistics, College of Public Health, October 2019 to June 2021.  
(Previously listed, above).

46. Yojana Kanade, MS, Pennsylvania State University, Department of Public Health Sciences Internship, September 2018 to June 2019.
47. Callie Howells McArthur, MS, Pennsylvania State University-Pennsylvania Department of Health Master Agreement, Pennsylvania Birth Defects Registry, April 2017 to June 2019.
48. Michelle Goodreau, Pennsylvania State University MPH Student, Academic Advisor, March 2015 to May 2016, Class of 2016.
49. Michael Ringenbach, Pennsylvania State University MPH Student, Academic Advisor, March 2015 to May 2016, Class of 2016.
50. Loren D. (Archibeque) Masters, Pennsylvania State University MPH Student Intern, Pennsylvania State University College of Medicine, August 2012 to August 2015.  
*Gary A. Chase Award for Excellence in Public Health*
51. Allshine Chen, MS Pennsylvania State University Department of Public Health Sciences Internship Program, Summer 2011.
52. Susan Veldheer, MS Thesis Chair, Pennsylvania State University Department of Public Health Sciences, *Serum Vitamin D Status in Normal Versus Class I, II and III Obesity*, June 2010 to May 2012.
53. Gerald Podskalny, MD, *Independent Research in Parkinson's Disease*, Pennsylvania State University Department of Public Health Sciences, Pennsylvania State University, January to May 2009.
54. Nathaniel Geyer, Pennsylvania State University Department of Public Health Sciences Internship Program, MS Class of 2008, May to July 2008.
55. Kai-Ling Wang, Master's Student, Pennsylvania State University Department of Statistics Class of 2007, Summer Student Intern, May to August 2006.
56. Jiangyue Wang, Master's Student, Pennsylvania State University Department of Statistics Class of 2006, Pennsylvania State University Department of Public Health Sciences Internship Program, May to August 2005.

57. Carmen George, MS Thesis Committee Member, Department of Environmental and Radiological Health Sciences, College of Veterinary Medicine & Biomedical Sciences, Colorado State University, May 2002 to December 2004.

*Doctoral Students*

58. Ryan Sneed, PhD Student, Temple University, Department of Epidemiology & Biostatistics. Doctoral Thesis Committee Member, *The Effect of Health Care Access and Area-level Deprivation on Colorectal Cancer Incidence in Pennsylvania from 2006 to 2018*. February 2021 to present.
59. Miriam Wamsley, PhD Student, Temple University Department of Epidemiology & Biostatistics. Doctoral Thesis Committee Administrative Chair, *Reportable Enteric Illness Due to Drinking Water Source in Pennsylvania*. February 2021 to present.
60. Hongke Wu, PhD Student, Pennsylvania State University, Department of Public Health Sciences. Research Advisor, *Renal Cell Cancer Risk in Association with Coffee Intake: A Mediation Analysis for Blood Cadmium and Lead Concentration*. May 2019 to February 2021.
61. Eileen Flores, DrPH Student, Pennsylvania State University. F31 Research Co-Advisor, *Skin Cancer Prevention among Diverse Population Groups*, January 2019 to June 2019.
62. Sangeeta Saxena, MD, DrPH Student, Pennsylvania State University. Administrative advisor and Research Advisor, *E-Cigarette Use in Association with Vitamin D Biomarkers and Bone Mineral Density among College Students*, August 2018 to December 2019.
63. Simisola Bello, DrPH Student, Pennsylvania State University. Comprehensive Exam and Thesis Committee Chair, *Occupational Lead Exposure Surveillance in Pennsylvania*, March 2018 to June 2019.
64. Noof Alwatban, MD, DrPH Student, Pennsylvania State University-Pennsylvania Department of Health Master Agreement, *Zika Pregnancy Registry*, September 2016 to May 2018.
65. Eva Husnulhotimah, DrPH Student Research Intern, September 2016 to December 2016.
66. Sadie Dierschke, Independent Study in Molecular Epidemiology, Clinical and Translational Sciences Dual Degree Doctoral Program, August 2016 to December 2016.
67. Olivia Rivera, Comprehensive Exam and PhD Thesis Committee member, Pennsylvania State University Biomedical Sciences Program, May 2016 to March 2019.
68. Paige Chandler, PhD Thesis Committee Member, Pennsylvania State University Biomedical Sciences Program, July 2015 to February 2016.

69. Shuai Zhao, PhD candidacy committee, Pennsylvania State University Biomedical Sciences Program, June 2014.
70. Shailesh Advani, PhD Candidate, APHA Epidemiology Section Student Leadership Liaison, November 2012 to November 2013.

*Post-Doctorate Students/ PhD-level Staff*

Brandon LaBarge, MD, Otolaryngology Residency Research Program, Pennsylvania State University, *Three Mile Island Systematic Review*. June 2019 to April 2022.  
(Previously listed above)

71. Sophia Allen, PhD, DrPH Program Instructor, Pennsylvania State University DrPH Program, May 2018 to June 2019.
72. Stephanie Howe-Hasanali, PhD, Pennsylvania State University-Pennsylvania Department of Health Master Agreement, Pennsylvania Fracking Complaints Database, January 2017 to July 2017.
73. Nathaniel Geyer, DrPH, Pennsylvania State University Workforce Development Survey Analysis, February 2017 to March 2018.
74. James D. Bortner, Jr, PhD, Pennsylvania State University Post-Doctoral Research Fellow, Penn State Cancer Institute Project Mentor, June 2014 to May 2015.
75. Eric J. Battaglioli, PhD, Pennsylvania State University Post-Doctoral Research Fellow in Molecular Epidemiology, Department of Public Health Sciences, Pennsylvania State University College of Medicine, August 2013 to April 2015.

*Junior Faculty*

1. Sanjee Arora, PhD, Assistant Professor, Temple Fox Chase Cancer Center, Cancer Prevention and Control Program, Research Mentor, October 2021 to present.
2. Erin Kulick, PhD, Assistant Professor, Department of Epidemiology and Biostatistics, Temple University College of Public Health, Curriculum Mentor, May 2021 to May 2022.
3. Casey Pinto, PhD, Assistant Professor, Department of Public Health Sciences, DrPH Program, December 2018 to June 2019.
4. Roderick Gilbert, DrPH, Instructor, Department of Public Health Sciences, DrPH Program Assistant, August 2018 to June 2019.
5. Kristin Sznajder, PhD, Assistant Professor of Public Health Sciences, Faculty Mentor, July 2018 to June 2019.

6. Betsy Aumiller, EdD, Assistant Professor of Public Health Sciences, Associate Director for Educational Advancement, Pennsylvania State University DrPH Program, August 2014 to June 2019.
7. Yendelela Cuffee, PhD, Assistant Professor of Epidemiology, University of Delaware, (formerly at Pennsylvania State University) July 2016 to September 2021.
8. Gayle Smink, MD, MPH, Pennsylvania State University Junior Faculty Development Program, September 2016 to November 2016.
9. Ping Du, PhD, Assistant Professor of Medicine and Public Health Sciences, DrPH Program Admissions Committee Chair, December 2015 to June 2019.
10. Cara Pennel, DrPH, Assistant Professor of Public Health Sciences, DrPH Program Development, January 2015 to July 2015.

### **Professional Memberships**

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American Association for Cancer Research (AACR)  
American Association of University Professors (AAUP)  
American Chemical Society (ACS)  
American College of Epidemiology (ACE)  
American Institute for Cancer Research (AICR)  
American Public Health Association (APHA)  
    American Indian, Alaska Native and Native Hawaiian Caucus  
    Epidemiology Section  
    Public Health Genomics Forum  
American Society of Preventive Oncology (ASPO)  
Association for Women in Science (AWIS)  
Pennsylvania Public Health Association (PPHA)  
International Society for Environmental Epidemiology (ISEE)  
Society for Risk Analysis (SRA)

### **Grant and Award Review Panels**

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1. Member, National Institute on Minority Health and Health Disparities (NIMHD), National Institutes of Health (NIH) Loan Repayment Program (ZMD1 DRI L3), March/April 2022.
2. Member, Interdisciplinary Molecular Sciences and Training (IMST) Review Panel on Interactive Digital Media STEM Resources for Pre-College and Informal Science Education Audiences (SBIR R43/R44 and STTR R41/R42), NIH, December, 2019.

3. Member, Worldwide Cancer Research Grant Review Panel, <https://www.worldwidecancerresearch.org>, September, 2019.
4. Member, Multidisciplinary Special Emphasis Panel (SEP) National Institute on Minority Health and Health Disparities (NIMHD) R13 Program Review, June 12, 2019.
5. NIH National Institute on Minority Health and Health Disparities, Research Centers in Minority Institutions (RCMI) (U54) Scientific Review Group 2018/05 ZMD1 DRI (M1) R, March 7-9, 2018.
6. Member, NCI Surveillance, Epidemiology and End Results (SEER) Program Review (ZCA1 SRB-2 (J1), September 26-27, 2017.
7. Ad Hoc Review Member, NIH Arthritis, Connective Tissue and Skin (ACTS) Study Section, June 12-13, 2017.
8. Special Emphasis Panel Member, NIH Musculoskeletal, Oral and Skin Sciences (MOSS) Study Section, November 10, 2016.
9. Special Emphasis Panel/Scientific Review Group, Support of Competitive Research (SCORE) program, 2017/01 ZGM1 RCB-X (SC), NIH (10/2016).
10. Special Emphasis Panel Member, NIH Arthritis, Connective Tissue and Skin (ACTS) Study Section, June 14-15, 2016.
11. Special Emphasis Panel Member, NIH Arthritis, Connective Tissue and Skin (ACTS) Study Section, October 13-14, 2015.
12. Member, Healthy & Wise Central PA Task Force, The Foundation for Enhancing Communities, Harrisburg, PA (<http://www.tfec.org/healthywise/>) April 2014 to April 2015.
13. Pennsylvania State University College of Health and Human Development Biological Mechanisms Underlying Health and Development Seed Grant Program Reviewer, 2014.
14. Review Panel Member, AHRQ Review Panel, PAR-10-022, Partnerships in Implementing Patient Safety II (R18), June 2013.
15. 3<sup>rd</sup> North American Congress of Epidemiology, Career and Student Award Review Committee 2010-2011.
16. American Public Health Association, Epidemiology Section Awards Committee Chair, 2009-2011.
17. Department of Defense Congressionally Directed Medical Research Program (CDMRP) Prostate Cancer Grant Review Panel, September 2008.

18. Department of Defense Congressionally Directed Medical Research Program (CDMRP) Prostate Cancer Grant Review Panel, July 2007.
19. NIH, NIDDK Review Committee, Clinical Study of Vesicoureteral Reflux in Children, RFA-DK-04-019, August 2005.
20. Outstanding Mentor Award Review Committee, The Fellowship Office, National Cancer Institute, July 2003.

### **Journal Peer Review**

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<i>American Journal of Epidemiology</i>	<i>Journal of Urology</i>
<i>American Journal of Public Health</i>	<i>Lung Cancer</i>
<i>Biological Trace Element Research</i>	<i>Osteoporosis International</i>
<i>Biomedical and Environmental Sciences</i>	<i>Pharmacogenetics and Genomics</i>
<i>British Journal of Cancer</i>	<i>PLoS One</i>
<i>BMC Cancer</i>	<i>Preventing Chronic Disease</i>
<i>BMC Nutrition</i>	<i>Public Health Reports</i>
<i>Environmental Health Perspectives</i>	<i>Recent Patents on Anti-Cancer Drug</i>
<i>Frontiers in Applied Genetic Epidemiology,</i> Review Editor, January 2011 to present	<i>Discovery</i>
<i>Journal of Chromatography B</i>	<i>Renal Failure</i>
<i>Journal of Water, Sanitation and Hygiene</i> <i>for Development</i>	<i>Tumor Biology</i>
	<i>Zebrafish</i>

### **Service on Committees and Boards**

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American Public Health Association (APHA, [www.apha.org](http://www.apha.org))

*American Indian, Alaska Native and Native Hawaiian Caucus*  
Cancer Scholars Mentoring Committee, June 2003 to June 2006  
Abstract Review Committee, 2003, 2006

#### *Epidemiology Section*

1. International Network for Epidemiology in Policy (INEP) Liaison, 2019 to present.
2. Policy Committee Co-Chair, 2017 to 2019
3. Immediate Past Chair, 2013 to 2015
4. Chair, 2011 to 2013
5. Chair Elect, 2009 to 2011

6. Special Sessions Review Committee, 2012 to 2013
7. Public Health Practice Award Committee Chair 2005 to 2007
8. Awards Committee, 2007 (co-Chair), 2009 to 2011 (Chair), 2017-2020 and 2022 (member).
9. Course Coordinator, Geographic Information Systems (GIS) I for Public Health Professionals, APHA Learning Institute, 2007
10. Governing Councilor, 2005 to 2009; Policy Whip, 2006 to 2007
11. Student Award Committee, 2004 and 2005

Association of Schools and Programs of Public Health (ASPPH)

1. Member, Doctor of Public Health (DrPH) Council, May 2015 to June 2019
2. Representative, Research Section, March 2015 to May 2016

Association for Women in Science (AWIS)

Advisory Board Member, Pennsylvania State University College of Medicine, 2013 to 2014

Epidemiology Congress of the Americas 2016

Member, Organizational Memorandum of Understanding (MOU) Development Team, June 2012 to May 2013

Harrisburg School District, Secondary Education Reform Task Force

Science Education Review Panel, May 2013 to January 2014

International Network for Epidemiology in Policy (formerly the International Joint Policy Committee for the Societies of Epidemiology ([www.ijpc-se.org](http://www.ijpc-se.org)))

1. Board Member and Society Representative, Epidemiology Section of the American Public Health Association, September 2017 to present
2. Secretary and Executive Board Member, May 2016 to September 2017
3. Ex-Officio Member, January 2010 to April 2015

Epidemiology Congress of the Americas (formerly the North American Congress of Epidemiology)

1. Ex-Officio Member, Executive Planning Committee, February 2010 to June 2011
2. Member, Awards Committee, March 2010 to June 2011

Pennsylvania State University Cancer Institute

1. Member, Cancer Research Career Enhancement (CRCE) committee, October 2017 to June 2019
2. Member, Population Health and Cancer Control Program, Joshua Muscat, PhD, and Steven Branstetter, PhD, Program Co-Leaders, September 2004 to June 2019
3. Member, Cancer Education Committee, September 2015 to June 2019

Pennsylvania Department of Health

Member, Centers for Disease Control and Prevention, Agency for Toxic Substances and Disease Registry, Partnership to Promote Local Efforts to Reduce Environmental Exposure (APPLETREE) Pennsylvania State Advisory Group, May 2022 to present.

Member, Pennsylvania Cancer Coalition, Pennsylvania Department of Health, September 2020 to present.

Member, Pennsylvania Birth Defects Surveillance Advisory Panel, Pennsylvania Department of Health, April 2017 to December 2019.

Pennsylvania State University

1. Founding Director, Doctor of Public Health (DrPH) Program, 2014 to June 2019. Oversight of 17-member development team for degree development across four campuses. New courses developed for this degree:

PHS 531	Perspectives on Women's Health
PHS 554	Statistical Methods in Public Health I
PHS 555	Statistical Methods in Public Health II
PHS 574	Methods in Clinical and Public Health Interventions
PHS 575	Integrative Public Health Leadership
PHS 576	Integrative Seminar in Public Health Policy
PHS 577	Integrative Seminar in Social & Behavioral Determinants of Health
PHS 578	Advanced Integrative Public Health Leadership
PHS 590	Public Health Colloquium
PHS 805	Public Health Policy Analysis
PHS 806	Public Health Ethics
PHS 892	Directed Studies in Public Health

PHS 894A Integrative Doctoral Research  
PHS 895B Advanced Field Experience  
PHS 896A/B Integrative Doctoral Research I/II  
PHS 899 Public Health Journal Club

2. Co-Lead, JD/DrPH Dual Degree Program Development Team with Penn State Dickinson School of Law, Professor Medha Makhlouf and Dean Gary Gildin, 2017 to 2018. Approved by the Graduate School December 20, 2018.
3. Course Development Consultant, *Health and Environmental Sustainability* (NURS 325), Penn State University College of Nursing, February 2019.
4. Lead, Organizational Memorandum of Understanding with Rodale Institute, 2017 to 2018, Signed, June 15, 2018.  
<https://news.psu.edu/gallery/525544/2018/06/15/penn-state-college-medicine-and-rodale-institute-partnership-announcement>
5. Emory Global Health Case Competition Mock Event Judge, Pennsylvania State University, February 2018
6. Associate Director for Public Health Workforce Development, Pennsylvania State University Public Health Program, 2013 to 2014
7. Chair, Pennsylvania State University Public Health Day Symposium Abstract Review Committee, 2014 to 2015
8. Faculty Advisor, Public Health Association for Service and Education (PHASE) Graduate Student Association, May 2013 to August 2014
9. Lead Organizer, Molecular Epidemiology Working Group, September 2013 to May 2015
10. Chair, Pennsylvania State University Public Health Day Symposium, 2013 to 2014
11. Member, Pennsylvania State University Public Health Program (formerly the Pennsylvania State University MPH Program), Council on Education for Public Health (CEPH) Review Oversight Committee, 2013 to 2014
12. Association for Women in Science (AWIS), Hershey Career Event Planning Team, 2013
13. Chair, MPH Practicum and Service Committee, Public Health Program, 2012 to 2014
14. Member, MPH Practicum and Service Committee, Public Health Program, 2009 to 2012

15. Member, Social Influences on Health Course Development Committee, 2009 to 2010
16. Member, Evidence Based Medicine, Problem Based Learning Facilitation groups, 2009 to 2010
17. Member, Graduate Education Task Force, 2008 to 2009
18. Co-Director, Department of Public Health Sciences' Research Seminar, 2005 to 2006
19. Member, Graduate Education Committee, Department of Public Health Sciences 2004 to 2006, and 2009 to 2010
20. Member, Junior Faculty Development Course Planning Committee, 2005 to 2006
21. Member, Molecular Epidemiology Working Group, Pennsylvania State University Cancer Institute, 2004 to 2008

#### National Institutes of Health

1. Representative, NIH Fellows Committee (FelCom), National Cancer Institute Division of Cancer Epidemiology and Genetics, 2003 to 2004 ([www.training.nih.gov/felcom](http://www.training.nih.gov/felcom))
2. Member, Fellows Award For Research Excellence (FARE) Committee, 2004
3. Member, Geographic Information Systems Specialty Interest Group, National Cancer Institute, 2001 to 2004

#### Temple Fox Chase Cancer Center

1. Collaborating Member, Cancer Prevention and Control Program, December 2019 to present
2. Member, Research Review Committee, December 2020 to present
3. Member, Strategic Planning Committee in Community Engagement in Research, Cancer Prevention and Control Program, September 2021 to present

#### Temple University

1. Co-Chair, Epidemiology Doctoral Admissions Committee, Department of Epidemiology and Biostatistics, College of Public Health, 2019 to 2022.

2. Member, Curriculum Assessment Committee, Department of Epidemiology and Biostatistics, College of Public Health, 2019 to present  
Contributor, The Professionalism and Ethics Agreement on Conduct Expectations (PEACE) Statement  
Contributor, Maternal and Child Health Certificate  
Contributor, Public Health Preparedness and Emergency Response Certificate  
Contributor, Community Engaged Participatory Research Certificate
3. Member, Graduate Environmental Health Curriculum Development Committee, Department of Epidemiology and Biostatistics, College of Public Health, March 2022 to present
4. Member, Doctoral Preliminary Exams Committee, Department of Epidemiology and Biostatistics, College of Public Health, October 2021 to present

#### World Congress on Public Health

Member, Abstract Review Committee, 2009

#### **Symposia Led**

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1. *Special Session of the APHA Epidemiology Section Chairs. The International Network for Epidemiology in Policy: Role of Epidemiology in Evidence-Based Policy.* Wilson RT, Weiss SH, Raynes-Greenow C, León-Gómez BB, Gary-Webb T, Patrick S, Gaudino J, Aldrich M, Al-Delaimy W, Alleyne O, Soskolne CL, Advani S, Gwiazdon K, Elam-Evans L. 149<sup>th</sup> Annual Meeting of the American Public Health Association, Tuesday, October 26, 2021.
2. *Emerging Issues in COVID-19 Epidemiology and Public Health Practice.* Annual Meeting of the American Public Health Association. Barber S, Duchin JS, Gray GC, MacIntyre R, Weiss SH, Gaudino J, Wilson RT. 148<sup>th</sup> Annual Meeting of the American Public Health Association, Online, October 27, 2020.
3. *Health Innovation in Pennsylvania, Pennsylvania Department of Health and Pennsylvania State University.* Hershey, PA, March 23, 2017. Role: Lead Organizer.
4. *International Threats to the Mission of Public Health as Governments Dismantle/Erode the Census,* American Public Health Association Annual Meeting, New Orleans, November 17, 2014. Role: Lead Organizer.  
<https://apha.confex.com/apha/142am/webprogram/Session42107.html>
5. *Pennsylvania State University Public Health Day Symposium,* Department of Public Health Sciences, Pennsylvania State University, May 9, 2014. Role: Chair.
6. *The Nexus Between Public Health Evidence and Policy,* American Public Health Association Annual Meeting, Boston, November 5, 2013. Epidemiology Section of the

American Public Health Association and the Joint Policy Committee of the Societies of Epidemiology. Role: Organizing Committee. Lead Organizers: Stanley H. Weiss and Colin Soskolne.

7. *DSI (Disease Scene Investigators): Chocolate Town, Careers in Epidemiology and Public Health*, The Pennsylvania State University College of Medicine, January 10<sup>th</sup>, 2013. Role: Organizing committee member, including members from the Capital Area Partnership for Career Development, Middletown Area High School, Montclair State University, and the Pennsylvania Department of Health. Attendees: 86 students from 12 area High Schools.
8. *Epigenetics - Significance and Relevance in Public Health*. The American Public Health Association Meeting, San Francisco, October 27-31, 2012. Presenters: Nico S. Rizzo, Loma Linda University; Trygve O. Tollefsbol, PhD, University of Alabama at Birmingham; Yuan-Xiang Pan, PhD, University of Illinois; Role: Co-Organizer and Discussant.
9. *Possible Public Health Implications of Natural Gas Drilling*, The American Public Health Association Meeting, San Francisco, October 27-31, 2012. Presenters: Alan Krupnik, Resources for the Future, Center for Energy Economics and Policy (CEEP); Roxana Zulauf Witter, MD, MSPH, MS, University of Colorado Denver; Bernard Goldstein, University of Pittsburgh. Role: Co-Organizer and Discussant.
10. *DSI (Disease Scene Investigators): Chocolate Town, Careers in Epidemiology and Public Health*, The Pennsylvania State University College of Medicine, January 10<sup>th</sup>, 2012. Role: Organizing committee member, including members from the Capital Area Partnership for Career Development, Middletown Area High School, Montclair State University, and the Pennsylvania Department of Health. Attendees: Over 100 students from 8 area High Schools.
11. *Significant Advances in Evidence-Based Public Health and Policy Recommendations from the Institute of Medicine*, American Public Health Association Annual Meeting, November 2011. Role: Lead organizer. Sponsors: APHA Epidemiology Section, APHA Food and Nutrition Section. The purpose of this 1.5-hour session is to provide attendees with an overview of public health and policy recommendations from recent IOM reports and to provide an understanding of the IOM review and decision making process.
12. *DSI (Disease Scene Investigators): Chocolate Town, A One-Day Workshop for High School Students in Epidemiology and Public Health*, The Pennsylvania State University College of Medicine, December 15, 2010. Role: Instructor and organizing committee member, including members and instructors from the Capital Area Intermediate Unit, Capital Area Partnership for Career Development, Middletown Area High School, Montclair State University, and the Pennsylvania Department of Health.
13. *Infusing Public Health and Epidemiology Career Pathways and Education into the Capital Region*, The Pennsylvania State University College of Medicine, March 1, 2010. Role: Organizing committee member including members and presenters from the Capital

Area Intermediate Unit, Middletown Area High School, Montclair State University, Clarion University, University of Pennsylvania, and the Pennsylvania Department of Health.

14. *The Northeast Regional Epidemic Intelligence Service Officer's Conference, Centers for Disease Control and Prevention, Pennsylvania Department of Health and Pennsylvania State University College of Medicine and Department of Public Health Sciences, March 24, 2010. Role: Organizing committee member, consisting of members of the Pennsylvania Department of Health, Bureau of Epidemiology.*

### **Community Engagement**

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1. Interview, Tyler J. Kelley, *1843 Magazine of The Economist*, May 3<sup>rd</sup>, 2022.
2. Interview, "How the U.S. vaccination drive came to rely on an army of consultants," Isaac Stanley-Becker, *Washington Post*, August 22, 2021. [How the U.S. vaccination drive came to rely on an army of consultants - The Washington Post](#)
3. Derry Township Climate Change Advisory Committee, Public Health Advisor, July 2021 to present. Rebecca Wills and Andrew Geronimo, Co-Chairs.
4. Faculty Shadow Day Mentor, Doron S. Yospa, Middletown Area High School Junior Shadow Day Project, March 8, 2021.
5. Discussant, Pennsylvania Per- and Polyfluoroalkyl (PFAS) Multi-Site Health Study Community Engagement Meeting, March 25, 2021, Zoom.
6. *Global epidemiology connections: an inside look at APHA and the International Network for Epidemiology in Policy (INEP)*, Claire Johnson, APHA Epidemiology Section Newsletter, May 2021
7. Discussant, Pennsylvania Per- and Polyfluoroalkyl (PFAS) Multi-Site Health Study Community Assistance Panel Meeting, August 13, 2020, Zoom.
8. Public Health Careers Interview Project, Franklin and Marshall Public Health Program Student Interview with Colin Boyd, September 2, 2020.
9. Discussant, Pennsylvania Per- and Polyfluoroalkyl (PFAS) Multi-Site Health Study Community Engagement Meeting, July 9, 2020, Zoom.
10. Interview, Temple University Journalism Program, Student interview regarding women's participation in clinical trials with Claudia Salvato, May 4, 2020.
11. Interview, USA Today, interview with Letitia Stein, April 14, 2020. [Ending coronavirus shut down not fast or easy, CDC says. \(usatoday.com\)](#)

12. Interview, Kaiser Health News, interview with Laura Ungar, May 13, 2020.
13. Panelist, Dark Waters Screening and Discussion, US Congress Representative Madeleine Dean, Pennsylvania Fourth Congressional District, January 11, 2020.  
<https://dean.house.gov/2020/1/rep-dean-host-dark-waters-screening-and-pfas-discussion-attorney-rob-bilott>
14. Presenter, Per- and Polyfluoralkyl Substances (PFAS) in Drinking Water Grant Announcement Event, October 8, 2019, Temple University Ambler Campus.  
<https://fitzpatrick.house.gov/2019/10/rep-fitzpatrick-boyle-and-dean-announce-pfas-grant-temple-ambler>
15. Invited Panelist, “Careers in Epidemiology,” Pennsylvania Department of Education, Panel on Career and Workforce Development, March 19, 2020, Philadelphia, PA. (Cancelled due to Covid-19).
16. Session Mentor, American Heart Association’s STEM Goes Red event, November 13, 2019, Philadelphia, PA.
17. “A Summer Amusement Park Mystery.” Technology-Linked Epidemiology Education Network (TEEN) Phase I Classroom Testing. Cedar Cliff High School, Dauphin County Technical School, Lower Dauphin High School, Middletown Area High School, September 2019.
18. Amina Kilpatrick “Air Quality Device Aims to ‘Bring Citizen Science into the Classroom,” *Cornell Daily Sun*, November 30, 2018,  
<https://cornellsun.com/2018/11/30/air-quality-device-aims-to-bring-citizen-science-into-the-classroom/>
19. Casey Verderosa, “Rev startup gets \$1.7M for global curriculum data analysis,” *Cornell Chronicle*, November 21, 2018. <http://news.cornell.edu/stories/2018/11/rev-startup-gets-17m-global-curriculum-data-analysis>
20. Speaker, “Technology-Linked Epidemiology Education Network,” Middletown Area High School, Middletown, PA, October 19, 2018.
21. Speaker, “A Middle School Medical Mystery,” Lower Dauphin School District Summer Day Camp, Hummelstown, PA, June 28, 2018.
22. Lunchtime Speaker, Pennsylvania State University Public Health Program High School Epidemiology Shadow Day, Pennsylvania State University College of Medicine, Hershey, PA, March 26, 2018.
23. “Public Health Reports: Early Preparation and Inspiration for STEM Careers: Preliminary Report of the Epidemiology Challenge Randomized Intervention, 2014-2015,” ASPPH News, January 12, 2018. <https://www.aspph.org/public-health-reports-early-preparation->

[and-inspiration-for-stem-careers-preliminary-report-of-the-epidemiology-challenge-randomized-intervention-2014-2015/](#)

24. "ASPPH Visits Penn State and Arcadia," January 18, 2018, ASPPH News, <https://www.aspph.org/aspph-visits-penn-state-and-arcadia/>
25. Keynote Speaker, Epidemiology Science Fair Day, SciTech High School, Harrisburg, PA, December 6, 2017.
26. Pennsylvania State University High School Epidemiology Shadow Day, Pennsylvania State University College of Medicine, Hershey, PA, November 17, 2016.
27. "Recent Advances in Vitamin D Analog Development for Cancer," Pennsylvania State University Cancer Institute Community Clinical Trials Website, July 12, 2016. Yeich A, Blumling A, Crone N and Wilson RT.
28. "High school students take honors at science and engineering fair," Pennsylvania State University iNews Express April 25th, 2016
29. "Students share why they take part clinical trials," Pennsylvania State University Daily Collegian, February 12, 2016. [http://www.collegian.psu.edu/news/campus/article\\_4b9527b2-d10a-11e5-9840-0f27804abe19.html](http://www.collegian.psu.edu/news/campus/article_4b9527b2-d10a-11e5-9840-0f27804abe19.html)
30. "Colon Cancer and Vitamin D: Jury still out - new study results due 2017" Pennsylvania State University Cancer Institute Community Clinical Trials Website, July 12, 2016. Ottomano Etzel T and Wilson RT.
31. "Why We Need to Understand Vitamin D Metabolism in Diverse Population Groups," Presentation to Kingdom Embassy Church, Harrisburg, Pennsylvania.
32. Member, National Research Mentoring Network (nrmnet.net), August 2015 to June 2019.
33. "Penn State College of Medicine launches doctoral program in public health," September 18, 2015, <https://news.psu.edu/story/370754/2015/09/18/academics/penn-state-college-medicine-launches-doctoral-program-public>
34. "What Epidemiologists Do," STEM Summit, Junior Achievement, Junior Achievement of Central PA, Betsi Zikmund, Programs Manager, Middletown Area High School, Middletown, PA, April 30<sup>th</sup>, 2015
35. "15 Minutes of Science: Genetic Differences in Vitamin D Metabolism," Pennsylvania State University Department of Public Health Sciences, Faculty Meeting, March, Hershey, PA, April 8<sup>th</sup>, 2015

36. “Pennsylvania State University Hershey Med student program aims to solve mystery,” (WITF Radio) Harrisburg, PA: <http://www.witf.org/news/2013/01/penn-state-hershey-student-program-aims-to-solve-mystery.php>
37. “Event helps students think epidemiologically...about chocolate” Penn State News, January 10, 2013.
38. “Disease Detectives for a Day,” WPMT-TV (Fox 43 News), Lancaster, PA
39. “Local high school students learn about diseases using chocolate,” Report by Brandie Meng, WHP-TV (CBS 21), Lancaster, PA:
40. “Students are Health Detectives for a Day,” Patriot News, and Capital Region Partnership for Career Development, Harrisburg, January 22, 2013
41. “Women seen at Indian Health Service clinics miss Healthy People 2010 goals for breast and cervical cancer screening,” *AHRQ Research Activities* article, Gregory Stuppard, June 2012
42. “Smoking, Lead Levels and Renal Cell Carcinoma,” Cathy Meeus, Project Editor, World's Best Kept Health Secrets, 41 Lorne Road, London N4 3RU
43. Middletown Area High School Senior Graduation Presentations, Faculty Judge, Middletown, PA, February 24, 2012
44. “Blood Levels Of Lead May Increase Smokers' Risk For Kidney Cancer” Medical News Today, <http://www.medicalnewstoday.com/releases/240687.php> Tweets (N=12): American Society of Nephrology, British Columbia Dental Hygienists Association, Metropolitan Urology (St. Louis, MO), Kidney Cancer Association ([www.kidneycancer.org](http://www.kidneycancer.org)), The Latest In Nephrology (N. Delhi, India), January 25<sup>th</sup>, 2012
45. Fox 43 WPMT TV, “Detectives for a Day: Disease Scene Investigators 2012,” Event News Coverage, January 10<sup>th</sup>, 2012
46. Interview with Jody A. Charnow, *Renal and Urology News*, “Increased Lead Exposure May Raise Kidney Cancer Risk,” ([www.renalandurologynews.com](http://www.renalandurologynews.com)), January 04<sup>th</sup>, 2012
47. Interview with Barbara Blank, The Hummelstown Sun, regarding *DSI: Chocolatetown, a One Day Workshop on Epidemiology and Public Health for High School Students*, December 15<sup>th</sup>, 2010
48. Faculty Organizer for *Safer Water for the Bolivian Highlands: Engineers, Scientists and Medical Professionals Working Together*, Strosnider, WHJ, Saint Francis University, Loretto, PA, Global Culture Club, Pennsylvania State University College of Medicine, November 3<sup>rd</sup>, 2010

49. Interview with Valerie Pritchett, abc27 News, Harrisburg, “The Effects of Heavy Metals on Health Outcomes of Indigenous Bolivians: A Pilot Study,” April 12th, 2010
50. “Speaking Science.” Middletown Area High School. Focus group discussions with High School students and scientists in the region, April 13th, 2010
51. *Infusing Public Health and Epidemiology Career Pathways and Education into the Capital Region*, Hummelstown Sun Newspaper, Sandy Eckert, March 2, 2010
52. “Students Abroad in Bolivia,” *Penn State Global Health Newsletter*, Fall 2010
53. Interview with Jody A. Charnow, *Renal and Urology News*, “Dietary Quercetin May Reduce Renal Cell Cancer Risk in Male Smokers,” ([www.renalandrologynews.com](http://www.renalandrologynews.com)), August 12, 2009
54. *Epidemiology in Public Health*, Presentation to the 2009 Partnership Leadership Academy, a consortium High School Educators among 26 Pennsylvania School Districts, June 10, 2009
55. Interview with Lena Ziegler for WVIA-FM regarding story on vitamin D, May 18, 2009
56. *Heavy Metals, Oxidative Stress and Renal Cell Cancer*, Presentation prepared for the Wisconsin State Laboratory of Hygiene, March 11, 2009
57. Interview with Bryant Furlow, *Lancet Oncology*, regarding story on American Indian and Alaska Native Health Disparities, August 18, 2008
58. Interview with Linda Espenshade, *Lancaster Intelligencer*, for “Cancer: What can you control?” March 6, 2008
59. Interview with Pamela Monk, *World of Difference* Program on “Racial and Ethnic Disparities in Health Care,” WPSU-FM and WPSU-TV, June 12, 2007
60. Community health outreach experience for first year medical students with Keystone Health (migrant laborers) and Pennsylvania Department of Health (Amish populations), Social Influences in Health Course, Pennsylvania State University College of Medicine, 2007, 2008. Role: Faculty organizer

## **Consulting**

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1. No-Cost Consultant, Department of Population Science and Policy, Southern Illinois University School of Medicine, September 2020
2. No-Cost Consultant, Derry Township Board of Supervisors, Resolution No. 1555, *Resolution of the Board of Supervisors of the Township of Derry, Dauphin County*,

*Pennsylvania, Making Climate Change and the Mitigation of Greenhouse Gas Emissions an Ongoing Focus of the Township, August 2018*

3. Consultant, Florida A&M University, Research Centers in Minority Institutions, Karam F.A. Soliman (PI), June 2018
4. No-Cost Consultant, *CYP24A1* and *CYP3A43* in Endocrine Disorder Syndrome, Harper Health, Chicago, IL, November 2017
5. No-Cost Consultant, Rocky Mountain Tribal Epidemiology Center, Billings, MT, March 2016
6. No-Cost Consultant, *Successful Recruitment Strategies for a Study of Vitamin D*. Pennsylvania State University Hershey Cancer Institute, Gene Lengerich, Core Director, Hershey, PA, April 2012
7. Consultant, “Research on Factors Contributing to Breast and Cervical Cancer Outcomes Among American Indian Women in Montana,” Belcourt, G. (PI), Montana-Wyoming Tribal Leaders Council; Sub-project for *Building Health Services Research Capacity for Tribes in Montana and Wyoming* AHRQ R24 HS14034, January 2009 to August 2011
8. No-Cost Consultant, “Prostate Specific Antigen (PSA) Screening Patterns in AI/AN Men with Elevated PSA,” Tilburt, J. (PI), Mayo Clinic, Rochester, MN, May 2008 to June 2013
9. No-Cost Consultant, Electronic Records Review of Diabetes Audit, Richter, D. and Hayes, JM. (co-PIs), United South and Eastern Tribes, Inc., USET Tribal Epidemiology Center, Nashville, TN, May 2006
10. No-Cost Consultant, “Breast Screening Patterns Related to Mammography Adherence among Northern Plains Tribes American Indian Women,” Becker, S. (PI), University of South Dakota, May 2005 to November 2005
11. No-Cost Consultant, Department of Molecular and Cellular Physiology, Epidemiologic Cancer Cluster Investigation, Pennsylvania State University College of Medicine, July 2005 to September 2005

## **Post-Degree Training**

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### *Faculty Training and Certifications*

1. Human Subjects Protection Re-Certification ([www.citiprogram.org](http://www.citiprogram.org)), August 2019
2. Mental Health First Aid USA Certification, National Council for Behavioral Health, January 2017

3. Office for Support in Learning and Teaching Excellence (SLATE), Educator Workshops, November 2015 and May 2016
4. The Alphabet Soup of NIH Training and Career Development Awards Workshop, Pennsylvania State University, April 7, 2014
5. Research Advising and Mentoring Workshop, Pennsylvania State University College of Medicine, September-November, 2012
6. Second Symposium on Translational Genomics, National Institutes of Health, March 15-16, 2012
7. Epigenomics of Common Diseases, Wellcome Trust Conference Centre, Hinxton, Cambridge, UK, September 13-16, 2011
8. Translating Genomic Research into Public Health Applications, National Office of Public Health Genomics, CDC, Webinar, April 9, 2010
9. Enhancing Teaching Skills Workshop, Pennsylvania State University College of Medicine, January 2010
10. Ethics in the Life Sciences, Pennsylvania State University College of Medicine, January-April 2010
11. Institute of Medicine, Committee on Dietary Reference Intakes for Vitamin D and Calcium Workshop, Washington, DC, August 4, 2009
12. New England Biolabs Workshop in Molecular Biology, Smith College, July 6-12, 2008
13. 1<sup>st</sup> NHGRI Conference on Haplotype Analysis of Population & Pedigree Data in Association Studies, Birmingham, AB, May 7-8, 2008
14. International Agency for Research on Cancer, Genetics Epidemiology: From Biological Resource Centers to Functional Studies, July 2007
15. Pennsylvania State University Haplotyping Methods Conference, Dr. Gary Chase, Director, February 2007
16. Pennsylvania State University Rural Interest Group Workshop, October 6, 2006
17. Fourth Annual Bioinformatics Workshop, Pennsylvania State University Center for Computational Genomics, June 2006
18. Grant Writers' Workshop, Dr. David C. Morrison, Pennsylvania State University, May 2006

19. Pennsylvania State University Biomedical Sciences Program, Ethics in Life Sciences (IBIOS 591), Spring 2010
20. Pennsylvania State University Biomedical Sciences Program, Information Flow, Cell and Systems Biology (BMS 503) Fall 2008
21. Time Management Course, Dr. Susan Johnson, Pennsylvania State University College of Medicine, April 2006
22. Effective Negotiation Skills, Dr. Diane Magrane, AAMC, March 2006
23. Pennsylvania State University Department of Public Health Sciences, Haplotyping Workshop, Dr. Wenlei Liu, October 2005
24. Pennsylvania State University Junior Faculty Development Program, September 2004 to May 2005
25. Effective Scientific Writing, Dr. Constance D. Baldwin, PhD, January 2005

*Post-Doctoral Fellowship Training*

1. Cancer Biotechnology, Center for Cancer Research, National Cancer Institute, Frederick, MD, May 2004
2. Cellular Immunology, Foundation for Advanced Education in the Sciences, National Institutes of Health, January to March 2004
3. Effective Negotiation Skills, Department of Health and Human Services, Rockville, MD, December 4, 2003
4. ArcGIS ESRI Federal User's Conference, Washington, DC, April 4, 2002
5. Spatial Analysis and Geographic Information Systems, Johns Hopkins School of Public Health (JHSPH), Frank Curriero, Director, Baltimore, MD, January to May 2001
6. Geostatistical Analysis, JHSPH, Peter Diggle and Paulo Ribiero, Directors, Baltimore, MD, July 23-27, 2001
7. Summer Curriculum in Cancer Prevention 2001, National Cancer Institute, *Principles and Practice of Cancer Prevention and Control; Molecular Prevention*, Bethesda, MD, July 5-August 10, 2001
8. Principles of Oncology for Cancer Registry Professionals, National Cancer Institute, SEER Program, July 24-28, 2000

**Presentations/Abstracts**

Presentations are listed from 1999 to present. Dr. Wilson is the primary author/presenter, unless otherwise indicated by author order or asterisk. Presentations in grey have been accepted, but not yet presented.

- | Number | Date<br>mm.yy | Title   |
|--------|---------------|---|
| 1.     | 09.22         | <i>Prenatal Maternal and Paternal Household Pesticide Exposure and Childhood Acute Lymphoblastic Leukemia (ALL): Does Exposure Comparison Modeling Influence Risk Estimates?</i> Ruth A**, Rehman U**, Stewart PA, Moore LE, Yucel R, <b>Wilson RT</b> . Accepted Abstract, International Society for Environmental Epidemiology Annual Meeting, September 2022.  |
| 2.     | 12.21         | <i>Inhalation and Ingestion Risk Assessment for Unpaved Road PM<sub>10</sub> among Adults and Children in Rural Pennsylvania.</i> Wilson RT, Adams M**, Stallworth A*, Marak K*, Chase E, Freedman M, Burgos W, Warner N, Armstrong T. Society for Risk Analysis Annual Meeting, Online, December 8, 2021.  |
| 3.     | 11.21         | <i>Increasing Student Collaboration with Epidemiology.</i> Tekeley E, Swart D, O'Neil T, Plassio A, Koons D, Ruth A**, Wilson RT. National Science Teaching Association Area Conference on Science Education, National Harbor, MD, November 11, 2021.   |
| 4.     | 10.21         | <i>Special Session of the APHA Epidemiology Section Chairs. The International Network for Epidemiology in Policy: Role of Epidemiology in Evidence-Based Policy.</i> Wilson RT, Weiss SH, Raynes-Greenow C, León-Gómez BB, Gary-Webb T, Patrick S, Gaudino J, Aldrich M, Al-Delaimy W, Alleyne O, Soskolne CL, Advani S, Gwiazdon K, Elam-Evans L. 149 <sup>th</sup> Annual Meeting of the American Public Health Association, Tuesday, October 26, 2021. |
| 5.     | 10.21         | <i>What do we know about disparities in exposure to per-and polyfluoroalkyl substances (PFAS) and cancer risk? A scoping systematic review.</i> Wilson RT, Stranick A**, Holtz S**, Wood S, Jones R. 149 <sup>th</sup> Annual Meeting of the American Public Health Association, Online, Monday, October 25, 2021.  |
| 6.     | 09.21         | <i>What do we know about renal cell cancer risk factors?</i> Presentation to the Temple Fox Chase Faculty Seminar, Fox Cancer Center, Philadelphia, PA, September 8, 2021.  |
| 7.     | 08.21         | <i>Vitamin D and family history of hypertension in relation to hypertension status among college students.</i> Cuffee Y, Wang M, Geyer NR**, Saxena S**, Akuley S*, Jones L, Wilson RT. World Congress of Epidemiology, Online, September 3-6, 2021.  |
| 8.     | 05.21         | <i>Roundtable: Developing Partnerships for Epidemiology Education in the Secondary Setting.</i> Wilson RT, O'Neill T, Swart D. NIH SciED Conference, Online, May 27, 2021.  |

9. 04.21 *Association between High Caffeine Consumption and Lowered Renal Function Among Young Adults 18-55 Years in the United States.* Inuzuka HJP\*\*, Wu J, Fisher JO, Wilson RT. Temple University College of Public Health Research Day, Online, April 9, 2021.
10. 04.21 *Chemical Risk Assessments for Residential PM<sub>10</sub> Dust Ingestion of Trace Metals from Unpaved Roads Treated with Oil & Gas Produced Brine Dust Suppressants.* Adams M, Armstrong T, Warner NR, Chase EH, Stallworth AM\*, Marak K\*, Freedman MA, Burgos WD, Wilson RT. Temple University College of Public Health Research Day, Online, April 9, 2021.
11. 04.21 *A scoping systematic review of the association between exposure to per- and polyfluoroalkyl substances (PFAS) and rare cancer sites among at-risk populations.* Holtz S\*\*, Stranick A\*\*, Wood S, Wilson RT. Temple University College of Public Health Research Day, Online, April 9, 2021.
12. 04.21 *A scoping systematic review of the association between exposure to per- and polyfluoroalkyl substances (PFAS) and common cancer sites among at-risk populations.* Stranick A\*\*, Holtz S\*\*, Wood S, Wilson RT. Temple University College of Public Health Research Day, Online, April 9, 2021.
13. 01.21 *Gene and Environment Interactions in Renal Cell Cancer Risk.* Fox Chase (Comprehensive) Cancer Center, Cancer Prevention and Control Program, Online, January 5<sup>th</sup>, 2021.
14. 10.20 *Emerging Issues in COVID-19 Epidemiology and Public Health Practice.* Annual Meeting of the American Public Health Association. Barber S, Duchin JS, Gray GC, MacIntyre R, Weiss SH, Gaudino J, Wilson RT. 148<sup>th</sup> Annual Meeting of the American Public Health Association, Online, October 27, 2020.
15. 10.20 *The technology-linked epidemiology education network (TEEN) blended learning platform: High school pilot testing.* Mattei A, Ruth A\*\*, Swart D, Plassio A, O'Neil T, Koons D, Wilson RT. 148<sup>th</sup> Annual Meeting of the American Public Health Association, Online, October 26, 2020.
16. 05.20 *Roundtable: Developing Partnerships for Epidemiology Education in the Secondary Setting.* Wilson RT, O'Neill T, Swart D. NIH SciED Conference, May 27, 2020, Washington, DC. Cancelled due to Covid-19 pandemic.
17. 04.20 *Environmental Health Issues in Pennsylvania,* Invited speaker for Pennsylvania Department of Health, Environmental Health Awareness Week, Harrisburg, PA, April 20, 2020. Cancelled due to Covid-19 pandemic.
18. 03.20 *Risk Assessment Considerations for Unpaved Road PM<sub>10</sub> among Construction Workers: Does Dust Suppressant Treatment with Oil and Gas Wastewater Matter?* Wilson RT, Stallworth AM\*, Marak K\*, Chase EH, Freedman MA,

- Burgos WD, Warner NR. American Chemical Society Meeting, Philadelphia, PA, March 22, 2020. Cancelled due to Covid-19 pandemic.
19. 02.20 *Next Generation Science Standards: Will crosscutting concepts help promote health in high schools?* Ruth A\*\*, Mattei AM, Wilson RT. The College of Physicians of Philadelphia Annual Student Poster Session, Philadelphia, PA, April 6, 2020. Cancelled due to Covid-19 pandemic.
  20. 01.20 *Best Practices for a Blended Learning Approach in STEM.* Wilson RT, Mattei AM, Songer NB, Rutherford T. Temple University 18<sup>th</sup> Annual Faculty Conference on Teaching Excellence, January 8, Temple University, Philadelphia, PA.
  21. 11.19 *Risk of Elevated Blood Pressure and Hypertension among Young Adults: Family History, Vitamin D and Genetic Ancestry among Black and White University Students.* Cuffee Y, Geyer N\*\*, Wang M, Saxena S\*\*, Akuley S\*, Wilson RT. 147<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA, November 4, 2019.
  22. 11.19 Panelist, *Dr. Timothy J. Cunningham Epidemiology Career Panel and Section Epidemiology Speed Mentoring Event.* 147<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA, November 4, 2019.
  23. 11.19 *E-cigarette use, bone density and circulating vitamin D metabolites: A pilot study.* Saxena S\*\*, Kanada Y\*\*, Allen S, Hobkirk A, Richie J, Nevil T, Wilson RT. 147<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA, November 6, 2019.
  24. 11.19 *The Application of Mixed Methods Designs in Public Health Program Evaluation.* Smith, M, Hogan SA, Oremus M, Wilson RT, Jack S. 147<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA, November 6, 2019.
  25. 04.19 *Tackling the epidemic of e-cigarettes in the US: A literature review.* Saxena S\*\*, Adhish SV\*, Akuley S\*, Müller D\*, Khesroh E\*, Wilson RT. Poster for National Public Health Week, Penn State College of Medicine, Hershey, PA, April 1-7, 2019.
  26. 01.19 *Translating Epidemiology to the Classroom: The Chocolate Town Workshop Template,* Wicked Device, LLC, Ithaca, NY., January 24, 2019.
  27. 11.18 *Understanding Risks of Environmental and Occupational Heavy Metal Exposures: The Role of Epidemiology and Systematic Reviews.* III Encuentro Internacional de Ingenieria y II Simposio Internacional de Gestion Ambiental, Corhuila University, Neiva, Huila Department, Colombia, November 15, 2018.

28. 11.18 *The Use of Epidemiology in Estimating Disease Risk*. Workshop on Epidemiology and Engineering, Corhuila University, Neiva, Huila Department, Colombia, November 14, 2018.
29. 11.18 *Health Disparities in Environmental Heavy Metals Exposure and Cancer Risk*. Department of Epidemiology and Biostatistics, College of Public Health, Temple University, Philadelphia, PA, November 1, 2018.
30. 08.18 *Disussant, NCI's Provocative Research Questions*. Pennsylvania State University Cancer Institute Retreat, Hershey, PA, August 7, 2018.
31. 08.18 *Ethics, Epidemiology, and Community Health Planning and Policy Development Joint Policy Training Webinar*. Lowe A, White-Williams C, Wilson RT. American Public Health Association, Online, August 1, 2018.
32. 04.18 *Genetic Variation in Association with Dihydroxyvitamin D<sub>3</sub> Metabolites*. Pennsylvania State University Department of Public Health Sciences Seminar, Hershey, PA, April 18, 2018.
33. 04.18 *Public Health Workforce Training Interests in Central Pennsylvania*. Geyer N\*\*, LaRegina C, Weand C, Wilson RT. Pennsylvania Department of Health Conference on Understanding Public Health in Pennsylvania: A Retrospective Review and Forecast for the Coming Year, Lancaster, PA, April 3, 2018.
34. 03.18 *Epidemiology Careers*, Presentation to Epidemiology Shadow Day Participants, Pennsylvania State University College of Medicine, Hershey, PA, March 26, 2018.
35. 11.17 *Wade Hampton Frost Award*, remarks on behalf of awardee Jonathan M. Samet, 145<sup>th</sup> Annual Meeting of the American Public Health Association, Atlanta, GA, November 6, 2017.  
<https://apha.confex.com/apha/2017/meetingapp.cgi/Session/52677>
36. 11.17 *Careers in Academic Epidemiology*. 145<sup>th</sup> Annual Meeting of the American Public Health Association, Atlanta, GA, November 6, 2017.  
<https://apha.confex.com/apha/2017/meetingapp.cgi/Session/52717>
37. 04.17 *Public Health vs. Population Health: Can we have an impact?* Pennsylvania State University Woodward Symposium: Modeling Tobacco-Related Toxicology in a Changing Environment, Hershey, PA, April 21, 2017.
38. 02.17 *Variation in Vitamin D Biomarkers: What is the Contribution of Genetic and Environmental Factors?* Pennsylvania State University Department of Nutritional Sciences, State College, PA, February 20, 2017.

39. 02.17 *E-Cigarettes and Vitamin D Biomarkers*. Pennsylvania State University Department of Public Health Sciences, Epidemiology Division Colloquium, Hershey, PA, February 15, 2017.
40. 11.16 *Genetic Ancestry, Genetic Variants and Vitamin D Biomarkers*. Pennsylvania State University College of Medicine, Research Quality Assurance Lecture Series, Hershey, PA, November 16, 2016.
41. 06.16 *Exposures in a Mining-Impacted Region in Bolivia*. Pennsylvania State University College of Medicine, Rodale Institute Seminar, Hershey, PA, June 14, 2016.
42. 05.16 *Recent Controversies in Vitamin D Biomarkers*. Pennsylvania State University College of Medicine, Department of Public Health Sciences, Division of Epidemiology Seminar, Hershey, PA, May 10, 2016.
43. 06.15 *The Importance of Epidemiology*. The Epidemiology Challenge Gala Symposium, the State Museum of Pennsylvania, Harrisburg, PA, June 19, 2015.
44. 03.15 *Why We Need to Understand Vitamin D Metabolism in Diverse Population Groups*. Presentation to Parents and Children Together (PACT) Community Research Coalition, Harrisburg, PA, February 23, 2015.
45. 02.15 *The Epidemiology Challenge Update*. Parent outreach on NIH Project Status at partner schools: Cedar Cliff, Lower Dauphin, Middletown Area, John Harris and SciTech High Schools, presented at respective schools in the Harrisburg, PA region, on various dates in February, 2015.
46. 12.14 *Pathobiology of Cancer Journal Club Presentation—Vitamin D Metabolism and Immune Function*. Pennsylvania State University College of Medicine, Department of Pathology, Hershey, PA, December 17, 2014.
47. 11.14 *Threats to the Mission of Public Health as International Governments Dismantle/Erode the Census*. Soskolne C, Cramer S, Cork D, Sheikh M, Sparks P, Wilson RT. 142<sup>nd</sup> Annual Meeting of the American Public Health Association, New Orleans, LA, November 17, 2014.
48. 11.14 *Engaging Youth for Careers in Sciences and Public Health*. Perry-Smith R, Kaelin MA, Huebner WW, Wilson RT. 142<sup>nd</sup> Annual Meeting of the American Public Health Association, New Orleans, LA November 17, 2014.
49. 11.14 *Overview of the Pennsylvania State University DrPH Program in Development*. Pennsylvania State University Public Health Program Community Advisory Board, Hershey, PA, November 6, 2014.

50. 10.14 *Genetic Polymorphisms in CALB1 and CYP27B1 in Association with an Active Vitamin D Metabolite among Healthy African American and Caucasian American Participants.* Wilson RT, Battaglioli EJ\*\*, Dai PJ, Nelson K, Ottomano TM. American Institute for Cancer Research, Washington, DC, October 30, 2014.
51. 10.14 *A Sensitive and Cost Effective Method for Determination of 1 $\alpha$ ,25-Dihydroxylvitamin D<sub>3</sub> in Human Plasma.* Dai JP, Xu A, Battaglioli EJ\*\*, Stanley BA, Wilson RT. Molecular Epidemiology Working Group, Pennsylvania State University Cancer Institute, Hershey, PA, October 10, 2014.
52. 09.14 *Biomarkers of vitamin D metabolism in diverse population groups: Research related to gaps in research identified by the Institute of Medicine (IOM).* Pennsylvania State University Molecular Epidemiology Working Group, Pennsylvania State University Cancer Institute, Hershey, PA, September 10, 2014.
53. 08.14 *Early Preparation and Inspiration for Careers in the Biomedical Sciences (EPIC),* NIH Interventions Conference, San Diego, CA, August 14-15, 2014.
54. 06.14 *Development of an Ultrasensitive Microflow LC/MS/MS Method for Vitamin D Metabolites Analysis Using Amplifex Diene Derivatization Reagent.* Dai J, Subhakar D, Battaglioli EJ\*\*, Stanley B, Wilson RT. American Society for Mass Spectrometry, Baltimore, MD, June 15-19, 2014.
55. 05.14 Junior Faculty Development Program 2014 Commencement Speaker, Pennsylvania State University College of Medicine, Hershey, PA, May 29, 2014.
56. 05.14 College of Medicine Awards Ceremony, Presentation of Public Health Awards, Pennsylvania State University College of Medicine, Hershey, PA, May 17, 2014.
57. 03.14 *Biomarkers of the Food Environment: The Case of Vitamin D.* 2014 Healthy Kids in Healthy Communities Conference, Loma Linda University, Loma Linda, CA, March 4, 2014.
58. 11.13 *Polymorphisms in CYP24A1 and CYP3A43: possible effect modification by the vitamin D binding protein and vitamin D receptor.* Archibeque LD\*\*, Barnholtz-Sloan J, Battaglioli EJ, Salzberg AC, Wilson RT. American Institute for Cancer Research, Washington DC, November 7, 2013.
59. 11.13 *Lifetime Career Award Presentation to Dr. Al Sommer,* American Public Health Association Annual Meeting, Boston, MA, November 4, 2013.

60. 08.13 *Early Preparation and Inspiration for Careers in the Biomedical Sciences (EPIC): Study Purpose and Design.* Interventions 2013 Progress Report Meeting NIH NIGMS, San Diego, CA, August 16, 2013.
61. 07.13 *Biomarkers of Vitamin D Metabolism in Diverse Population Groups.* Pennsylvania Department of Health, Bureau of Epidemiology Speaker Series, Harrisburg, PA, July 9, 2013.
62. 03.13 *Differences in Vitamin D Metabolites due to the Ancestral Genetics of CYP3A43 and CYP24A1.* Archibeque LD\*\*, Barnholtz-Sloan J, Hartman T, Wilson RT. Pennsylvania State University Graduate Exhibition, State College, PA, March 24, 2013.
63. 01.13 Moderator, *Communication/Negotiation Skills Panel.* Association for Women in Science, 2013 AWIS Career Event, Hershey, PA, January 25, 2013.
64. 01.13 *Welcome and Introductions. Disease Scene Investigators (DSI): Chocolate Town 2013,* Hershey, PA, January 10, 2013.
65. 10.12 *Lifetime Career Award Presentation to Dr. Roberta Ness.* American Public Health Association Annual Meeting, San Francisco, CA, October 29, 2012.
66. 09.12 *The Institute of Medicine (IOM) 2011 Report on Dietary Reference Intakes for Calcium and Vitamin D: A role for the genetics of vitamin D metabolism.* Pennsylvania State University Department of Nutritional Sciences, State College, PA, September 17, 2012.
67. 07.12 *Genetic Factors Related to Serum Vitamin D Status.* Pennsylvania State University College of Medicine, SEPA-CREST Program, Hershey, PA, July 17, 2012.
68. 06.12 *Cigarette smoking, race, and genetic ancestry in association with plasma vitamin D-binding protein (VDBP) in healthy African Americans (AA) and Caucasian Americans (CA).* Wilson RT, Bortner JD, Jr.\*, Berg A, Roff A, Das A, Richie J, Barnholtz-Sloan J, El-Bayoumy K. 103rd Annual Meeting of the American Association for Cancer Research, Chicago, IL, March 31, 2012.
69. 04.12 *The Effects of Heavy Metals in Potato Crops on the Renal Function of Indigenous Bolivians.* Das R\*\*, Farag S\*\*, Wilson RT. Pennsylvania State University College of Medicine, Medical Student Research Symposium, Hershey, PA, April 13, 2012.
70. 03.12 *Heavy Metals and Kidney Cancer.* Pennsylvania Department of Health Quarterly Epidemiology Meeting, Hershey, PA, March 22, 2012.

71. 03.12 *Heavy Metals Bioaccumulation and Genetic Variants in Renal Cell Cancer.* Pennsylvania State University Hershey Cancer Institute, Chemoprevention and Carcinogenesis Program, Hershey, PA, March 8, 2012.
72. 01.12 *Maximizing Productivity in Environments of Relative Inertia.* Association for Women in Science (AWIS), Pennsylvania State University College of Medicine, Hershey, PA, January 26, 2012.
73. 01.12 *Genetic and Environmental Risk Factors for Kidney Cancer.* Pennsylvania State University Hershey Cancer Institute Interdisciplinary Conference, Hershey, PA, January 17, 2012.
74. 06.11 *Genetic Ancestry, Skin Reflectance and Pigmentation Genotypes in Association with Serum Vitamin D Metabolite Balance.* 3<sup>rd</sup> North American Congress of Epidemiology, Montreal, Canada, June 21, 2011.
75. 05.11 *Genetic Ancestry, Skin Reflectance and Pigmentation Genotypes in Association with Serum Vitamin D Metabolite Balance.* Pennsylvania State University College of Medicine Departments of Medicine and Public Health Sciences Research Day, Hershey, PA, May 31, 2011.
76. 04.11 *Genetic Factors Related to Serum Vitamin D Status.* Presentation to Pennsylvania State University Department of Nutrition, Nutrition Epidemiology (NUTR 597B) Course, Dr. Terryl Hartman, Course Director, State College, PA, April 14, 2011.
77. 12.10 *The Kaleidoscope Principle.* Presentation to the DSI (Disease Scene Investigators): Chocolate Town, A One-Day Workshop for High School Students in Epidemiology and Public Health, Pennsylvania State University, Hershey, PA, December 15, 2010.
78. 12.10 *Genetic Factors Related to Serum Vitamin D Status.* East Stroudsburg University Master's in Public Health Program, Epidemiology Course, Dixon Center, Dr. Steven Godin, Course Director, Harrisburg, PA, December 4, 2010.
79. 11.10 *Serum Vitamin D Status in Normal versus Class I, II and III Obesity, NHANES 2003-2006.* Veldheer S\*\*, Wilson RT. Presentation to the Pennsylvania State University Obesity Forum (poster), University Park, PA, November 10, 2010.
80. 10.10 *The Effects of Heavy Metals in Potato Crops on Health Outcomes of Indigenous Bolivians.* Das R\*\*, Farag S\*\*, and Wilson RT. Facing the Four Elements: Developing a Transatlantic Approach to Sustainability (poster), New York, NY, October 28-30, 2010.
81. 10.10 *Calcium, Lead, and Renal Cell Carcinoma Risk.* Southard EB\*\*, Roff AN, Fortugno T\*\*, Richie JP, Chinchilli VM, Albanes D, and Wilson RT.

- American Institute of Cancer Research Annual Meeting (poster), Washington, DC, October 21-22, 2010.
82. 09.10 *Do Heavy Metals Cause Renal Cell Cancer?* University of Colorado School of Public Health, Denver, CO, September 26, 2010.
83. 09.10 *Genetic Ancestry and Skin Reflectance in Association with Serum Vitamin D Metabolites.* 1<sup>st</sup> Annual Hormone Molecular Biology and Clinical Investigation Journal Symposium, Seefeld, Austria, September 11-14, 2010.
84. 05.10 *Fish, Heavy Metals and Renal Cell Cancer.* Center for Environmental Health Sciences Lecture Series, University of Montana, Missoula, MT, May 20, 2010.
85. 04.10 *Vitamin D Status and Skin Melanin Index in Healthy Participants.* Grove G, Wilson RT, Hartman T, Shriver M. From Bench to Bedside: Hampton University Skin of Color Research Institute 2010 Symposium, Williamsburg, VA, April 30, 2010.
86. 04.10 *Molecular Epidemiology.* Pennsylvania High School Youth Academy, Pennsylvania State University College of Medicine, Hershey, PA, April 6, 2010.
87. 03.10 *Closing Remarks.* Northeast Regional Epidemic Intelligence Service Officer's Conference, Pennsylvania State University College of Medicine, Hershey, PA, March 24, 2010.
88. 01.10 *Cancer and Vitamin D.* Pennsylvania State University College of Medicine, Oncology Fellow Grand Rounds, January 27, 2010, Hershey, PA.
89. 12.09 *Genetic Factors Related to Serum Vitamin D Status.* Pennsylvania State University Nutrition Sciences Program, State College, PA, December 7, 2009.
90. 11.09 *Developing an Ultra-sensitive LC/MS/MS Method for Vitamin D and its Metabolites using Diels-Alder Derivatization.* Dai J, Wilson RT, Stanley B. Pennsylvania State University Cancer Institute, Molecular Epidemiology Working Group, Hershey, PA, November 16, 2009.
91. 10.09 *The Effects of Heavy Metals in Potato Crops on Health Outcomes of Indigenous Bolivians.* Das R\*\*, Farag S\*\*, Wilson RT. Water Technologies for Emerging Regions (WaTER) Conference, University of Oklahoma, Norman, OK, October 26, 2009.
92. 08.09 *Variation in the Meprin Gene and Risk of Inflammatory Bowel Disease.* Martinez A\*\*, Roff A, Matters G, Wilson RT. Pennsylvania State University College of Medicine, Summer Student Colloquia, Hershey, PA, August 6, 2009.

93. 04.09 *Vitamin D and Racial/Ethnic Cancer Disparities*. Lincoln University Department of Biology, Lincoln, PA, March 11, 2009.
94. 04.09 *Heavy Metals, Oxidative Stress and Renal Cell Cancer*. Stanton N, Wilson RT. Wisconsin State Laboratory of Hygiene, Madison, WI, March 2009.
95. 02.09 *Heavy Metals, Oxidative Stress and Renal Cell Cancer*. East Stroudsburg University, Dixon University Center, Steve Godin, Course Director. Harrisburg, PA, February 21, 2009.
96. 01.09 *Medical Student Research Opportunities*. Pennsylvania State University College of Medicine Rural Interest Group, Hershey, PA, January 20, 2009.
97. 11.08 *Studying Vitamin D and Racial/Ethnic Differences in Cancer: A Pathway Approach*. Roff A, Wilson R. Molecular Epidemiology Working Group, Pennsylvania State University College of Medicine, Hershey, PA, November 24, 2008.
98. 11.08 *Breast and cervical cancer screening of American Indian women in Montana and Wyoming* (poster). Kasicky K\*\*, Hemlock B, Giroux J, Wilson RT. 136<sup>th</sup> Annual Meeting of the American Public Health Association, American Indian, Alaska Native, Native Hawaiian Health Caucus, San Diego, CA, October 26, 2008.
99. 08.08 *Heavy Metals, Oxidative Stress and Renal Cell Cancer*. Wilson RT, Roff A, Albanes D, Richie JP. Pennsylvania State University Cancer Institute, Cancer Control and Population Sciences Program, Hershey, PA, August 21, 2008.
100. 06.08 *Fish Intake and Risk of Kidney Cancer*. Wilson RT, Knepp K\*\*. National Tribal Conference on Environmental Management, Billings, MT, June 25, 2008.
101. 05.08 *Breast and Cervical Cancer Screening of American Indian women in Montana and Wyoming*. Kasicky K\*\*, Hemlock B, Giroux J, Wilson RT. Pennsylvania State University College of Medicine Student Research Symposium, Best Student Paper Award Presentation, Hershey, PA, May 2008.
102. 03.08 *Does Vitamin D Prevent Cancer?* Pennsylvania State University Hershey Cancer Institute Annual Public Forum: Our Environment and Cancer Risk, March 15, 2008.
103. 01.08 *Critically Assessing Case-Control Study Results*, Pennsylvania State University College of Medicine, Epidemiology Islands, Hershey, PA, January 8, 2008.
104. 11.07 *Self-reported race, skin reflectance, and genetic ancestry in association with serum vitamin D* (poster). Wilson RT, Roff A, Wang K, Hartman T, Chase

- GA, Frudakis T, Demers L, Shriver MD. Pennsylvania State University Cancer Institute Annual Meeting, Hershey, PA, November 29, 2007.
105. 11.07 *How Congressional Staffers Translate Research for Policy Makers*. Lister S, Cha S, Chang O, Wilson RT, Hirshon JM, Bancroft E, Hoppert D. 135<sup>th</sup> Annual Meeting of the American Public Health Association, Washington, DC, November 5, 2007.
106. 11.07 *Colon Cancer in Pennsylvania: Predictors of County-Level Incidence and Geographic Clustering*. Wilson RT, Liu Y\*, Lehman E, Lengerich E. 135<sup>th</sup> Annual Meeting of the American Public Health Association, Washington, DC, November 5, 2007.
107. 09.07 *Mapping and Cancer Disparities*, Annual Meeting of the Appalachian Community Cancer Network, Hershey, PA, September 28, 2007.
108. 06.07 *Self-reported race, skin reflectance, and genetic ancestry in association with serum vitamin D* (poster). Wilson RT, Roff A, Wang J\*\*, Hartman T, Chase GA, Frudakis T, Demers L, Shriver MD. American Association for Cancer Research, Complex Pathways in Molecular Epidemiology, Albuquerque, NM, June 1, 2007.
109. 05.07 *Studying Vitamin D and its Role in Renal Cell Cancer: A Pathway Approach*. Roff A, Wilson RT. Pennsylvania State University College of Medicine, Molecular Epidemiology Working Group, Hershey, PA, May 13, 2007.
110. 04.07 *Cancer Health Disparities Among Native Americans*. Pennsylvania State University College of Health and Human Development, Department of Health Policy Administration Colloquium, State College, PA, April 30, 2007.
111. 03.07 *Vitamin D and Genetic Ancestry*. Pennsylvania State University Biochemistry and Molecular Biology Department Colloquia, Hershey, PA, March 26, 2007.
112. 03.07 *Addressing Breast and Cervical Cancer Screening and Treatment Disparities in the Billings Area*. Rocky Mountain Tribal Epidemiology Center, Billings, MT, March 16, 2007.
113. 02.07 *Functional Vitamin D Receptor Gene Variants and Racial/Ethnic Cancer Disparities*. Pennsylvania State University Molecular Epidemiology Working Group, Hershey, PA.
114. 09.06 *Vitamin D, Fish Intake, and Renal Cell Cancer Risk in Finland*. Pennsylvania State University Department of Nutrition Sciences Colloquia, State College, PA, September 2006.

115. 08.06 *Multiple Kidney Cancer Risk Among African Americans and Whites in the US, 1973-2000.* Pennsylvania Department of Health, Epidemiology and Public Health Journal Club, Harrisburg, PA, August 2006.
116. 06.06 *Supplementary and Dietary Vitamin D and Renal Cell Cancer Risk* (poster). Wilson RT, Wang J\*\*, Chinchilli V, Richie JP, Moore LE, Albanes D. American Institute for Cancer Research Annual Meeting, Washington DC, June 2006.
117. 04.06 *Renal Cell Cancer and Vitamin D Intake.* Pennsylvania State University Cancer Institute, Cancer Prevention and Control Program, Hershey, PA, April 2006.
118. 04.06 *Sources of Data for Clinical Research.* Junior Faculty Development Program, Pennsylvania State University College of Medicine, Hershey, PA, April 5, 2006.
119. 02.06 *Supplementary and Dietary Vitamin D Intake and Renal Cell Cancer Risk* (poster). Wilson RT, Wang J\*\*, Chinchilli V, Richie JP, Moore LE, Albanes D. American Society for Preventive Oncology, Bethesda, MD, February 27-28, 2006.
120. 02.06 *Ascending versus Descending Colon Cancer Incidence in Pennsylvania, 1994-2002* (poster). Liu Y\*, Wilson RT, Lengerich E. American Society for Preventive Oncology, Bethesda, MD, February 27, 2006.
121. 12.05 *Lifestyle Factors, Exposures, Genetic Susceptibility and Renal Cell Cancer.* Pennsylvania State Department of Health, Division of Epidemiology, Harrisburg, PA, December 20, 2005.
122. 12.05 *Risks among cases and controls in the Alpha-Tocopherol Beta Carotene Study* (poster). Jones T\*\*, Wilson RT, Moore LE, Albanes D. 133<sup>rd</sup> Annual Meeting of the American Public Health Association, Epidemiology Section, Philadelphia, PA, December 2005.
123. 10.05 *The Vitamin D Receptor Pathway: Do haplotype combinations predict phenotype?* Roff A, Wilson RT. Pennsylvania State University Cancer Institute, Molecular Epidemiology Working Group, Hershey, PA, October 18, 2005.
124. 10.05 *Multiple Kidney Cancer Risk Among African Americans and Whites in the US, 1973-2000.* Pennsylvania State University Department of Biobehavioral Health, College of Health and Human Development, State College, PA, October 10, 2005.

125. 09.05 *Choosing a Mentor*. Pennsylvania State University Junior Faculty Development Program, Hershey, PA. September 2, 2005.
126. 05.05 *Parental Pesticide Exposure and Leukemia Risk*. Wilson RT, Moore LE, Stewart P, Dyer AM, Shu XO, Robison L. Pennsylvania State University Cancer Institute, State College, PA, May 25, 2005.
127. 04.05 *The potential role of vitamin D in renal cell carcinogenesis*. Pennsylvania State University College of Medicine, Department of Health Evaluation Sciences Seminar Series, Hershey, PA.
128. 11.04 *Occupation in relation to cancers of the bladder and renal pelvis in Sweden* (poster). Wilson RT, Donahue M\*\*, Gridley G, El Ghormli L, Dosemeci M, Silverman D. 132<sup>nd</sup> Annual Meeting of the American Public Health Association, Washington, DC, November 2004.
129. 11.04 *Geographic, demographic and primary care patterns in relation to stage at diagnosis among American Indian cancer patients in New Mexico and Arizona*. Wilson RT, Cobb N, Key C, Torner J. 132<sup>nd</sup> Annual Meeting of the American Public Health Association, Washington, DC, November 2004.
130. 11.03 *Salivary gland cancer mortality in relation to occupational exposure among African American and white workers in the United States*. Wilson RT, Moore LE, Dosemeci M. 131<sup>st</sup> Annual Meeting of the American Public Health Association, San Francisco, CA. November, 2003.
131. 11.03 *Cancer disparities of American Indians/Alaska Natives in the southwestern U.S. and Alaska*. Key C, Lanier A, Kelly JJ, Miller B, Wilson RT, Edwards BK. 131<sup>st</sup> Annual Meeting of the American Public Health Association, San Francisco, CA, November 2003.
132. 09.03 *Salivary gland cancer mortality in relation to occupational exposure among African American and white workers in the United States* (poster). Wilson RT, Moore LE, Dosemeci M. Annual Meeting of the American College of Epidemiology, Chicago, IL, September 6-9, 2003.
133. 06.02 *Kidney Cancer Incidence in Relation to Water Source Type Among American Indian, Hispanic and White Racial/Ethnic Groups In New Mexico, 1989-1998*. Wilson RT, Ward MH, Pickle LW. Society for Epidemiologic Research, Palm Desert, CA, June 2002.
134. 06.02 *Assessing and Improving the Quality of Cancer Surveillance Data for American Indians in the Surveillance, Epidemiology, and End Results (SEER) Program*. Wiggins CL, Espey D, Key CR, Darling R, Davidson AM, Puckett LL, Miller B, Wilson RT, Edwards BK. Meeting of the North American Association of Central Cancer Registries, Toronto, Canada, June 2002.

135. 10.01 *Cancer among American Indians and Alaska Natives in the US: High variability in epidemiologic patterns and environmental risk factors.* Department of Biology, Gettysburg College, Gettysburg, PA, October 2001.
136. 04.01 *Spatial Association Between Renal Cancers and Toxic Release Inventory Sites, New Mexico 1989-98.* NCI Surveillance Research Program, Spatial Modeling Working Group, Linda Pickle, Director, Bethesda, MD, April 2001.
137. 03.01 *Employing GIS and Administrative Databases in Epidemiologic Research: Distance, Comorbidity and Utilization in Relation to Stage at Diagnosis among American Indians in the Southwest.* US Army Medical Surveillance Activity Division, Walter Reed Army Medical Center, Jeff Lange, Coordinator, Washington, DC, March 2001.
138. 11.00 *Falls and Injury Among Community-dwelling Elders in the US: The Role of Economic Status,* Wilson RT, Nichols SLB, Wallace RB. 128<sup>th</sup> Annual Meeting of the American Public Health Association, Boston, MA, November 2000.
139. 11.00 *Racial/ethnic Differences in Female Breast Cancer Treatment Patterns Using SEER-Medicare Linked Data: New Mexico and Arizona, 1987-1996,* Wilson RT, Burhansstipanov L, Warren J, Cobb N, Key C. 128<sup>th</sup> Annual Meeting of the American Public Health Association, Boston, MA, November, 2000.
140. 11.00 *Patterns of Care Among Native American Cancer Patients: Final Report.* Network for Cancer Research among American Indian and Alaska Natives, Judith Kaur, Chair, Rochester, MN, November 2000.
141. 04.00 *Patterns of Care Among Native American Cancer Patients: Progress to Date and Breast Cancer Treatment Pattern Results,* Wilson RT, Cobb N. NCI Colloquium on Cancer Information in Indian Country, Lillian Tom-Orme, Director, Albuquerque, NM, April, 2000.
142. 10.99 *Patterns of Care Among Native American Cancer Patients: Validation Study Results.* Wilson RT, Cobb N. Network for Cancer Research among American Indian and Alaska Natives, Judith Kaur, Chair, Rochester, MN, October 1999.
143. 09.99 *New H. pylori Infection Risk in American Indian Children: Plan of Study.* Wilson RT, Mysliwiec P. Presentation to the Inter-tribal Council of Arizona (ITCA), Alida Montiel, ITCA Research Program Coordinator, Phoenix, AZ, September 1999.
144. 04.99 *Patterns of Care Among Native American Cancer Patients: Age as a Risk Factor for Late Stage at Diagnosis.* Wilson RT, Cobb N, Key C. 11<sup>th</sup> Annual Indian Health Service Research Conference, Albuquerque, NM, April 1999.