

## CURRICULUM VITAE

NAME: Brenda Diergaarde, Ph.D.  
 CITIZENSHIP: Dutch; Permanent Resident U.S.A.  
 CONTACT INFORMATION: UPMC Hillman Cancer Center  
 UPMC Cancer Pavilion  
 5150 Centre Avenue, Suite 4C  
 Pittsburgh, PA 15232  
  
 Phone: 412-623-5891  
 Fax: 412-623-3303  
 E-mail: [diergaardeb@upmc.edu](mailto:diergaardeb@upmc.edu)

## EDUCATION AND TRAINING

### Undergraduate

1987-1989	Leiden University Leiden, Netherlands	Dutch equivalent of B.Sc., 1989	Chemistry
-----------	--	------------------------------------	-----------

### Graduate

1989-1993	Leiden University Leiden, Netherlands	M.Sc., 1993	Biochemistry
1998-2003	Wageningen University Wageningen, Netherlands	Ph.D., 2004	Molecular Epidemiology

*Dissertation title: Diet, lifestyle, and molecular alterations that drive colorectal carcinogenesis*

### Post-Graduate

2003-2005	Fred Hutchinson Cancer Research Center; Seattle, WA  University of Washington; Seattle, WA	Affiliate Fellow Cancer Prevention Program  Affiliate Fellow Biobehavioral Cancer Prevention and Control Training Program	Molecular Epidemiology
2005-2007	Fred Hutchinson Cancer Research Center; Seattle, WA	Postdoctoral Research Fellow Cancer Prevention Program	Molecular Epidemiology

## APPOINTMENTS AND POSITIONS

### Academic

1995	Research Fellow	The Netherlands Organization for Scientific Research (NWO) Fellowship (Diergaarde, PI) <ul style="list-style-type: none"> <li>▪ Department of Women's Studies in the Humanities, Utrecht University; Utrecht, Netherlands</li> </ul> <u>Project</u> : Standardization processes in the production and use of genetic maps
1996	Research Associate	Department of Philosophy of Science and Technology, University of Twente; Enschede, Netherlands <u>Project</u> : Analysis and evaluation of emerging diagnostic practices in cancer genetics: A comparative study of developments in Denmark, France and the Netherlands
1996-1997	Guest Researcher	Department of Human Genetics, Leiden University; Leiden, Netherlands
1997-1998	Research Associate	Department of Philosophy of Science and Technology, University of Twente; Enschede, Netherlands <u>Project</u> : Implications of the utilization of genetic technologies and knowledge in colorectal and breast cancer practices
1998-2003	PhD Fellow	Division of Human Nutrition & Epidemiology, Wageningen University; Wageningen, Netherlands <u>Project</u> : Dietary and lifestyle determinants of <i>APC</i> mutations and microsatellite instability in sporadic and hereditary colorectal carcinogenesis (funded by the Dutch Cancer Society)
2003-2005	Affiliate Fellow	Dutch Cancer Society Training Fellowship (Diergaarde, PI) <ul style="list-style-type: none"> <li>▪ Cancer Prevention Program, Fred Hutchinson Cancer Research Center; Seattle, WA</li> <li>▪ Biobehavioral Cancer Prevention and Control Training Program, University of Washington; Seattle, WA</li> </ul>
2005-2007	Postdoctoral Research Fellow	Cancer Prevention Program, Fred Hutchinson Cancer Research Center; Seattle, WA <ul style="list-style-type: none"> <li>▪ Genetic Linkage in Colorectal Cancer Families (NIH/NCI RO1 CA104667; Potter, PI)</li> <li>▪ Cohort Study of Dietary Supplements and Cancer Risk (NIH/NCI R01 CA074846; White, PI)</li> </ul>
2007-2008	Visiting Assistant Professor	Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, and University of Pittsburgh Cancer Institute; Pittsburgh, PA

2008-2016	Assistant Professor	Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, and University of Pittsburgh Cancer Institute; Pittsburgh, PA
2015-present	Affiliate Faculty	Center for Bioethics and Health Law, University of Pittsburgh; Pittsburgh, PA
2016-2017	Associate Professor	Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, and University of Pittsburgh Cancer Institute; Pittsburgh, PA
2017-present	Associate Professor	Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh, and University of Pittsburgh Cancer Institute; Pittsburgh, PA

### **Non-Academic**

1993-1995	Research Technician	Pharming B.V.; Leiden, Netherlands
1994-1995	Editor	<i>Savante</i> , journal on women's studies and women in science. Amsterdam University Press; Amsterdam, Netherlands.

## **MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

2000-2006	The Netherlands Epidemiological Society
2003-present	American Society of Human Genetics
2008-2012	European Association for Cancer Research
2008-present	UPMC Hillman Cancer Center (University of Pittsburgh Cancer Institute)
2011-present	American Association for Cancer Research

## **HONORS**

1995	The Netherlands Organization for Scientific Research (NWO) Fellowship
2002	AACR Astra-Zeneca Scholar-in-Training Award
2003-2005	Dutch Cancer Society Training Fellowship

## **TEACHING**

### **A. Courses Taught:**

2008	Co-Director and Instructor: EPIDEM 2710 - Epidemiology of Women's Health. University of Pittsburgh Graduate School of Public Health - Enrollment: 20 students
------	--

- 2009-2012 Co-Director and Instructor: EPIDEM 2271 - Advanced Topics in Cancer Epidemiology and Prevention. University of Pittsburgh Graduate School of Public Health  
- Average Enrollment (range): 4 (3-5) students
- 2010-2017 Co-Director and Instructor: EPIDEM 2600 - Introduction to Molecular Epidemiology. University of Pittsburgh Graduate School of Public Health  
- Average Enrollment (range): 13 (10-16) students
- 2013-present Co-Director and Instructor: PUBHLT 2030 - Research Ethics and the Responsible Conduct of Research. University of Pittsburgh Graduate School of Public Health  
- Average Enrollment (range): 25 (20-30) students
- 2017-present Co-Director and Instructor: HUGEN 2029 - Introduction to Gene Mapping. University of Pittsburgh Graduate School of Public Health  
- Enrollment: 15 students
- 2018 Co-Director and Instructor: HUGEN 2010 - Bioinformatic Resources for Geneticists. University of Pittsburgh Graduate School of Public Health.  
- Enrollment: 32 students

**B. Other Teaching:**

- 1995 Teaching Assistant: Department of Biology, University of Amsterdam (Amsterdam, Netherlands). Course: Science and Society
- 1999-2002 Supervised MS thesis projects from students in the Division of Human Nutrition & Epidemiology, Wageningen University (Wageningen, Netherlands). Students: Femke Lamers, Olga Souverein, Alina Vrieling, Laura Korssen, and PASCALLE Weijzen
- 2000-2001 Teaching Assistant: Division of Human Nutrition & Epidemiology, Wageningen University (Wageningen, Netherlands). Course: Introduction to Statistics
- 2000 Guest Lecturer: Division of Human Nutrition & Epidemiology, Wageningen University (Wageningen, Netherlands). Topic: Colorectal carcinogenesis
- 2001 Guest Lecturer: Division of Human Nutrition & Epidemiology, Wageningen University (Wageningen, Netherlands). Topic: Nutrition, genes, and colorectal cancer
- 2007 Guest Lecturer: PUBHLT 2018 - Overview LGBT Health Disparities. University of Pittsburgh Graduate School of Public Health. Topic: Epidemiology of eating disorders, obesity, and body image among LGBT populations
- 2008 Guest Lecturer: MSIMM 3230 - Immunology and Human Disease. University of Pittsburgh School of Medicine. Topic: NSAIDS, COX-2, and colorectal carcinogenesis
- 2008-2012 Supervision of fellows in NIH-funded University of Pittsburgh R25 Cancer Epidemiology and Prevention Training Program
- 2008-2012 Weekly R25 Cancer Epidemiology and Prevention Training Program research/journal club meetings
- 2009-present Guest Lecturer: MSIMM 3230 - Immunology and Human Disease. University of Pittsburgh School of Medicine. Topic: Inflammation and cancer

2012-present	Mentor of medical students/fellows (Nadeem Kolia, Ronak Dixit, Siddharth Sheth, Jessica Geiger)
2013-2015	Mentor of undergraduate students in the University of Pittsburgh Summer Edge in Public and Global Health Program (2013: Akshaya Arjunan; 2014: Liz Cioffi; 2015: Daniel Sonnenberg)
2014	Guest Lecturer: CLRES 2715 - Understanding and Applying OMICS. University of Pittsburgh School of Medicine. <u>Topic</u> : Study designs and sample selection
2016	Medical Ethics Update 2016 - Ethical Issues in Reproductive Health, April 1, 2016. University of Pittsburgh Center for Bioethics and Health Law. Presenter breakout session: "Mitochondrial DNA Replacement: Avoiding Some Problems, Introducing Others".
2017	Guest Lecturer: HPM 3501 - Seminar in Health Services Research Methods 1. University of Pittsburgh Graduate School of Public Health. <u>Topic</u> : Research Ethics and the Responsible Conduct of Research: Authorship Issues
2019	Guest Lecturer: HPM 3501 - Seminar in Health Services Research Methods 1. University of Pittsburgh Graduate School of Public Health. <u>Topic</u> : Research Ethics and the Responsible Conduct of Research: Authorship, peer review, research misconduct
2019	Guest Lecturer: EPIDEM 2171 - Cancer Epidemiology. University of Pittsburgh Graduate School of Public Health. <u>Topic</u> : Genetic Epidemiology of Cancer (1)
2019	Guest Lecturer: EPIDEM 2171 - Cancer Epidemiology. University of Pittsburgh Graduate School of Public Health. <u>Topic</u> : Genetic Epidemiology of Cancer (2)

### **C. Graduate Student Essays, Theses, and/or Dissertations (chair/primary advisor):**

- *Harrison Brand*: Completed MPH in Epidemiology, December 2009. Essay title: Common variation in inflammation-related genes and mammographic density in postmenopausal women. Harrison subsequently completed his PhD in Human Genetics, see below, and is currently a postdoctoral fellow at Massachusetts General Hospital Center for Human Genetic Research and Harvard Medical School (Boston, MA).

- *Yan Du*: Completed MS in Human Genetics, March 2010. Thesis title: Common variation in the fibroblast growth factor receptor 2 (*FGFR2*) gene, hormone therapy use, and mammographic breast density.

Yan subsequently completed her DrPH in Epidemiology, see below, and is currently an associate professor at the Second Military Medical University in Shanghai, China.

- *Sean Rinella*: Completed MPH in Epidemiology, December 2010. Essay title: The androgen receptor CAG repeat polymorphism and risk of prostate cancer in the Tobago prostate survey. Sean is currently tissue bank and data coordinator for the hematology/BMT team at the University of Colorado Cancer Center (Aurora, CO).

- *Neha Mehta*: Completed MPH in Epidemiology, August 2013. Essay title: Growth and Type 1 diabetes in Rwanda.

Neha is currently a Global Health fellow at the CDC, working in Maputo, Mozambique.

- *Harrison Brand*: Completed PhD in Human Genetics, January 2013. Dissertation title: A haplotype-based permutation approach in gene-based testing.

Harrison is currently a postdoctoral fellow at Massachusetts General Hospital Center for Human Genetic Research and Harvard Medical School (Boston, MA).

- *Michelle Kurta*: Completed PhD in Epidemiology, June 2013. Dissertation title: Ovarian cancer epidemiology: risk, diagnosis, and prognosis.

Michelle was a postdoctoral fellow at the Ohio State University (Columbus, OH) and is currently an Epidemiology Research Associate at the Allegheny County Health Department (Pittsburgh, PA).

- *Jessica Bon*: Completed MS in Epidemiology, August 2015. Thesis title: Biomarkers of accelerated bone mineral density loss in smokers with smoking-related lung disease.

- *Julia Carter*: Completed MPH in Epidemiology, April 2017. Essay title: Sustained obesity and depressive symptoms over 6 years: Race by gender differences in the Health and Retirement Study.

- *Kristin Selker*: Completed MPH in Epidemiology, April 2017. Essay title: A cross-sectional study on asthma hospitalization rates and unhealthy air quality index frequency in Pennsylvania.

#### **D. Graduate Student Essays, Theses, and/or Dissertations (committee member):**

- *Ji Y. Song*: Completed PhD in Epidemiology, July 2010. Dissertation title: Estrogen receptor-beta genotype, seven immunohistochemical markers, and human lung cancer.

- *Yan Du*: Completed DrPH in Epidemiology, March 2011. Dissertation title: Polymorphisms in inflammation-related genes and risk of smoking-associated lung cancer and COPD.

- *Cecilia Crisanti*: Completed MS in Epidemiology, March 2011. Thesis title: Lung function and emphysema in a large lung cancer case series.

- *Kimberly Jacoby*: Completed MPH in Human Genetics, November 2013. Essay title: Relevance of meiotic recombination in public health: Lessons from the *Monodelphis domestica*.

- *Hsin-Hui Huang*: Completed PhD in Epidemiology, June 2017. Dissertation title: Effects of breast cancer hormone treatment on lipids and subsequent cardiovascular diseases.

- *Jonathan Lin*: Completed MS in Epidemiology, December 2018. Thesis title: Exploring potential risk factors associated with interval colorectal cancer.

- *Chinenyenwa Mpamaugo*: Master of Public Health, May 2019. Essay title: The impact of sarcopenia on esophageal cancer treatment outcome

## **RESEARCH SUPPORT**

### **A. Ongoing:**

- R01 DE025712-01 (PIs: Brennan, Diergaarde, and Hayes) 01/10/17 - 12/31/21  
NIH/NIDCR

The role of germline and somatic DNA mutations in oral and oropharyngeal cancers  
This project utilizes data and biospecimens from five large, well-characterized study populations to assess the role of genetic factors in oral cavity and oropharyngeal cancers.

Role: Co-Principal Investigator

- U01 CA214165-01 (PIs: Herman and Wang) 09/01/16 - 08/31/21  
NIH/NCI

**EDRN – BDL: Ultrasensitive Detection of Tumor Specific DNA Methylation Changes for the Early Detection of Lung Cancer**

This project seeks to decrease lung cancer related morbidity and mortality by improving lung cancer detection and prognosis through development of an assay that identifies tumor-specific DNA methylation alterations in plasma and/or sputum.

Role: Co-Investigator

- U01 CA200466 (PIs: Brand and Batra) 04/01/16 - 03/31/21  
NIH/NCI

**EDRN – CVC: Validation of biomarkers for early diagnosis and risk prediction of pancreatic neoplasm**

This project aims to validate biomarkers for early diagnosis and risk prediction of pancreatic neoplasms.

Role: Co-Investigator

- U01 CA152753 (PIs: Schoen and Kinzler) 04/01/16 - 03/31/21  
NIH/NCI

**EDRN – BDL: ctDNA for the early detection and monitoring of colorectal cancer**

This project aims to develop an assay for measurement of circulating tumor DNA in plasma using a sensitive next-generation sequencing technology and to apply it to early detection and monitoring of colorectal cancer.

Role: Co-Investigator

- Endoscopic Images (PI: Schoen) 04/14/17 - 04/14/20  
Machine Learning for Endoscopic Images

This project seeks to improve colorectal adenoma detection.

Role: Co-Investigator

- P30 CA047904 (PI: Ferris) 08/01/15 - 07/31/20  
NIH/NCI

**Cancer Center Support Grant (Biostatistics Facility)**

The University of Pittsburgh Cancer Institute's Biostatistics Facility provides biostatistical assistance to investigators in the design, planning, execution and reporting of cancer-related research studies.

Role: Biostatistician (genomics and biomarker studies)

- T32 CA186873 (PI: Yuan) 08/31/16 – 07/31/19  
NIH/NCI

Translational Research Training in cancer etiology and prevention

Role: Co-Investigator

**B. Recently Completed:**

- P50 CA090440 (PI: Herman) 09/01/11 - 08/31/17  
NIH/NCI

**SPORE in Lung Cancer**

**SPORE in Lung Cancer – Project 2: Vitamin D<sub>3</sub> Modulation of Inflammation and Lung Cancer Risk**

This SPORE project aims to establish the effect of modulating vitamin D status on pulmonary inflammation and lung cancer risk and provide a mechanistic rationale for a vitamin D-based approach to lung cancer prevention.

Role: Project 2 Co-Leader

- R21 CA184611 (Stabile, PI) 05/01/14 - 04/30/17

NIH/NCI

(PQA2) Elucidating the Link Between Obesity, Inflammation and Estrogen Signaling in Lung Cancer Risk

This project aims to elucidate the mechanistic link between obesity, inflammation and estrogen signaling in lung carcinogenesis.

Role: Co-Investigator

- BCRF-16-114 (PI: Oesterreich)

10/01/16 - 09/30/17

BCRF

Endocrine Resistant Invasive Lobular Carcinoma

This project investigates endocrine resistance in invasive lobular carcinoma.

Role: Co-Investigator (5% effort)

- P50 CA090440 (Herman, PI)

09/01/11 - 08/31/16

NIH/NCI

SPORE in Lung Cancer

SPORE in Lung Cancer – Project 3: Lung Cancer Risk Prediction in the Pittsburgh Lung Screening Study (PLuSS) Cohort

This project aims to refine and validate a lung cancer risk prediction model and a diagnostic serum marker panel.

Role: Project 3 Co-Investigator

- R01 CA160746 (Butler, PI)

09/01/12 - 08/31/16

NIH/NCI

Urinary Metalloproteinases and Breast Cancer Risk

This project aims to establish whether a urinary metalloproteinase panel can be used as a biomarker for assessing breast cancer risk, and ultimately result in fewer women dying from breast cancer.

Role: Co-Investigator

- P50 CA097190 (Ferris and Grandis, PIs)

07/01/10 - 06/30/15

NIH/NCI

SPORE in Head and Neck Cancer

SPORE in Head and Neck Cancer – Project 1: Pathway and GWAS SNPs: Role in SCCHN Risk, Outcome and Treatment Response

Project 1 in the Head and Neck Cancer SPORE investigates the role of genetic variation and gene-environment interactions in the development, progression and treatment of head and neck cancer.

Role: Project 1 Co-Leader

- R01 CA126841 (Moysich, PI; Diergaarde, PI subcontract)

07/01/09 - 05/31/14

NIH/NCI

Regulatory T Cell Function in Ovarian Cancer

The goal of this project is to investigate the role of genetic variability in regulatory T cell function in ovarian cancer development and prognosis.

Role: PI subcontract

- P50 CA097190-S (Grandis, PI)

09/01/11 - 06/30/12

NIH/NCI

US-China SPORE Supplement: Genomic Analysis of Oncovirus-Associated Head and Neck Cancers in US and Chinese Populations

This project aims to identify and compare clinically significant mutations in HPV and EBV-associated head and neck cancers in both US and Chinese populations

Role: SPORE Supplement Co-Investigator



- R25 CA057703 (Weissfeld, PI) 09/01/08 - 08/31/11  
NIH/NCI  
Education Program in Cancer Prevention  
Education Program in Cancer Prevention supports pre-doctoral multi-disciplinary research training in cancer epidemiology and cancer prevention.  
Role: Co-Investigator
- Developmental Research Project (Diergaarde, PI) 05/01/09 - 08/31/11  
P50 CA090440 (Siegfried, PI)  
NIH/NCI  
SPORE in Lung Cancer  
Developmental Research Project: Polymorphisms in Inflammation-Related Genes and Risk of Smoking-Associated Lung Cancer and COPD  
The goal of this project is to evaluate the relationship between polymorphisms in inflammation-related genes and risk of lung cancer and COPD.
- W81XWH-06-1-0533 Idea Award (Diergaarde, PI) 07/01/07 - 07/31/11  
DOD  
Inflammation Markers and Breast Cancer Risk  
The goal of this project is to investigate associations between serum cytokine levels, genetic variation in cytokine genes, and breast density.
- W81XWH-09-2-0075 (Maxwell, PI) 06/18/09 - 04/17/10  
Henry M. Jackson Foundation  
Gynecologic Cancer Center at Walter Reed Medical Center.  
Role: Co-Investigator

## PUBLICATIONS

### 1. Refereed Articles

1. **Diergaarde B**, Van Geloof WL, Van Muijen GNP, Kok FJ, and Kampman E. Diet and truncating *APC* mutations in sporadic colon tumours. *IARC Sci. Publ* 2002, 156: 505-506. PMID: 12484245
2. **Diergaarde B**, Van Geloof WL, Van Muijen GNP, Kok FJ, and Kampman E. Dietary factors and the occurrence of truncating *APC* mutations in sporadic colon carcinomas: A Dutch population-based study. *Carcinogenesis* 2003, 24: 283-290. PMID: 12584179
3. **Diergaarde B**, Vrieling A, Van Kraats AA, Van Muijen GNP, Kok FJ, and Kampman E. Cigarette smoking and genetic alterations in sporadic colon carcinomas. *Carcinogenesis* 2003, 24: 565-571. PMID: 12663519
4. **Diergaarde B**, Braam H, Van Muijen GNP, Ligtenberg MJL, Kok FJ, and Kampman, E. Dietary factors and microsatellite instability in sporadic colon carcinomas. *Cancer Epidemiol. Biomarkers Prev.* 2003, 12: 1130-1136. PMID: 14652271
5. **Diergaarde B**, Tiemersma EW, Braam H, Van Muijen GNP, Nagengast FM, Kok FJ and Kampman E. Dietary factors and truncating *APC* mutations in sporadic colorectal adenomas. *Int. J. Cancer* 2005, 113: 126-132. PMID: 15386431
6. Iacopetta B, Russo A, Bazan V, Dardanoni G, Gebbia N, Soussi T, Kerr D, Elsaleh H, Soong R, Kandioler D, Janschek E, Kappel S, Lung M, Leung CS, Ko JM, Yuen S, Ho J, Leung SY, Crapez E, Duffour J, Ychou M, Leahy DT, O'Donoghue DP, Agnese V, Cascio S, Di Fede G, Chieco-Bianchi L, Bertorelle R, Belluco C, Giaretti W, Castagnola P, Ricevuto E, Ficorella C, Bosari S, Arizzi CD, Miyaki M, Onda M, Kampman E, **Diergaarde B**, Royds J,

- Lothe RA, Diep CB, Meling GI, Ostrowski J, Trzeciak L, Guzinska-Ustymowicz K, Zalewski B, Capella GM, Moreno V, Peinado MA, Lonroth C, Lundholm K, Sun XF, Jansson A, Bouzourene H, Hsieh LL, Tang R, Smith DR, Allen-Mersh TG, Khan ZA, Shorthouse AJ, Silverman ML, Kato S, Ishioka C; TP53-CRC Collaborative Group. Functional categories of TP53 mutation in colorectal cancer: results of an International Collaborative Study. *Ann. Oncol.* 2006, 17(5): 842-847. PMID: 16524972
7. Bowen DJ, Balsam KF, **Diergaarde B**, Russo MM, and Escamilla GM. Healthy eating, exercise, and weight: Impressions of sexual minority women. *Women & Health* 2006, 44(1): 79-93. PMID: 17182528
  8. **Diergaarde B**, Bowen DJ, Ludman EJ, Culver JO, Press N, and Burke W. Genetic information: special or not? Responses from focus groups with members of a health maintenance organization. *Am. J. Med. Genetics* 2007, 143(6): 564-569. PMID: 17318844
  9. **Diergaarde B**, Braam H, Vasen HF, Nagengast FM, Van Muijen GNP, Kok FJ, and Kampman E. Environmental factors and colorectal tumor risk in individuals with hereditary nonpolyposis colorectal cancer. *Clin Gastroenterol Hepatol.* 2007, 5: 736-742. PMID: 17544999
  10. **Diergaarde B**, Potter JD, Jupe ER, Manjeshwar S, Shimasaki CD, Pugh TW, DeFreese DC, Grambling BA, Evans I, and White E. Polymorphisms in genes involved in sex hormone metabolism, estrogen plus progestin hormone therapy use, and risk of postmenopausal breast cancer. *Cancer Epidemiol. Biomarkers Prev.* 2008, 17: 1751-1759. PMID: 18628428, PMCID: PMC2732341
  11. **Diergaarde B**, Brand R, Lamb J, Cheong SY, Stello K, Barmada MM, Feingold E, and Whitcomb DC. Pooling-based genome-wide association study implicates gamma-glutamyltransferase 1 (*GGT1*) gene in pancreatic carcinogenesis. *Pancreatology* 2010, 10: 194-200. PMID: 20484958, PMCID: PMC2899150
  12. Reeves KW, Weissfeld JL, Modugno F, and **Diergaarde B**. Circulating levels of inflammatory markers and mammographic density among postmenopausal women. *Breast Cancer Res Treat.* 2010, 127(2): 555-63. PMID: 21069450, PMCID: PMC3431555
  13. Zhong S, Nukui T, Buch S, **Diergaarde B**, Weissfeld L, Grandis J, Romkes M, and Weissfeld JL. Effects of ERCC2 Lys751Gln (A35931C) and CCND1 (G870A) polymorphism on outcome of advanced-stage squamous cell carcinoma of the head and neck are treatment dependent. *Cancer Epidemiol Biomarkers Prev.* 2011, 20(11): 2429-37. PMID: 21890746, PMCID: PMC3210907
  14. Buch SC\*, **Diergaarde B\***, Nukui T, Day RS, Siegfried JM, Romkes M, and Weissfeld JL. Genetic variability in DNA repair and cell cycle control pathway genes and risk of smoking-related lung cancer. *Mol Carcinog.* 2012, 51 Suppl 1: E11-20. PMID: 21976407, PMCID: PMC3289753 \*These authors contributed equally to this work.
  15. Zhang Q, Kanterewicz B, Buch SC, Petkovich M, Parise R, Beumer J, Lin Y, **Diergaarde B**, and Hershberger PA. CYP24 inhibition preserves 1,25-dihydroxyvitamin D3 anti-proliferative signaling in lung cancer cells. *Mol Cell Endocrinol.* 2012, 355(1): 153-61. PMID: 22386975, PMCID: PMC3312998
  16. Cicek MS, Cunningham JM, Fridley BL, Serie DJ, Bamlet WR, **Diergaarde B**, Haile RW, Le Marchand L, Krontiris TG, Younghusband HB, Gallinger S, Newcomb PA, Hopper JL, Jenkins MA, Casey G, Schumacher F, Chen Z, DeRycke MS, Templeton AS, Winship I, Green RC, Green JS, Macrae FA, Parry S, Young GP, Young JP, Buchanan D, Duncan C, Thomas DC, Bishop DT, Lindor NM, Thibodeau SN, Potter JD, Goode EL; for the Colon CFR. Colorectal Cancer Linkage on Chromosomes 4q21, 8q13, 12q24, and 15q22. *PLoS One* 2012, 7(5): e38175. PMID: 22675446, PMCID: PMC3364975
  17. Kurta ML, Moysich KB, Weissfeld JL, Youk AO, Bunker CH, Edwards RP, Modugno F, Ness RB, and **Diergaarde B**. Use of fertility drugs and risk of ovarian cancer: results from a US-

- based case-control study. *Cancer Epidemiol. Biomarkers Prev.* 2012, 21(8): 1282-92. PMID: 22707710, PMCID: PMC3415595
18. Brand H, **Diergaarde B**, O'Connell MR, Whitcomb DC, and Brand RE. Variation in the Gamma-Glutamyltransferase 1 (*GGT1*) gene and risk of chronic pancreatitis. *Pancreas.* 2013, 42(5): 836-40. PMID: 23462328, PMCID: PMC3676446
  19. Troy JD, Weissfeld JL, **Diergaarde B**, Youk AO, Buch SC, Romkes M, and Grandis JR. Polymorphisms in *NAT2* and *GSTP1* are associated with survival in oral and oropharyngeal cancer. *Cancer Epidemiol.* 2013, 37(4): 505-11. PMID: 23523331, PMCID: PMC3690299
  20. Song JY, Siegfried JM, **Diergaarde B**, Land SR, Bowser R, Stabile LP, Dacic S, Dhir R, Nukui T, Romkes M, and Weissfeld JL. Genetic variation in *ESR2* and estrogen receptor-beta expression in lung tumors. *Cancer Epidemiol.* 2013, 37(4): 518-22. PMID: 23619141, PMCID: PMC3684046
  21. Troy JD, Grandis JR, Youk AO, **Diergaarde B**, Romkes M, and Weissfeld JL. Childhood passive smoke exposure is associated with adult head and neck cancer. *Cancer Epidemiol.* 2013, 37(4): 417-23. PMID: 23619143, PMCID: PMC3706460
  22. Lui VW, Hedberg ML, Li H, Vangara BS, Pendleton K, Zeng Y, Lu Y, Zhang Q, Du Y, Gilbert B, Freilino M, Sauerwein S, Peyser N, Xiao D, **Diergaarde B**, Wang L, Chiosea S, Seethala RR, Johnson JT, Kim S, Duvvuri U, Ferris RL, Romkes M, Nukui T, Ng PK, Garraway LA, Hammerman P, Mills GB, and Grandis JR. Frequent mutation of the PI3K pathway in head and neck cancer defines predictive biomarkers. *Cancer Discov.* 2013, 3(7): 761-9. PMID: 23619167, PMCID: PMC3710532
  23. Chiosea SI, Grandis JR, Lui VW, **Diergaarde B**, Maxwell JH, Ferris RL, Kim SW, Luvison A, Miller M, and Nikiforova MN. PIK3CA, HRAS and PTEN in human papillomavirus positive oropharyngeal squamous cell carcinoma. *BMC Cancer.* 2013, 13(1): 602. PMID: 24341335, PMCID: PMC3878565
  24. **Diergaarde B**, and Kurta ML. Use of fertility drugs and risk of ovarian cancer. *Curr Opin Obstet Gynecol.* 2014, 26(3): 125-9. PMID: 24752005, PMCID: PMC4217689
  25. Charbonneau B, Moysich KB, Kalli KR, Oberg AL, Vierkant RA, Fogarty ZC, Block MS, Maurer MJ, Goergen KM, Fridley BL, Cunningham JM, Rider DN, Preston C, Hartmann LC, Lawrenson K, Wang C, Tyrer J, Song H, deFazio A, Johnatty SE, Doherty JA, Phelan CM, Sellers TA, Ramirez SM, Vitonis AF, Terry KL, Van Den Berg D, Pike MC, Wu AH, Berchuck A, Gentry-Maharaj A, Ramus SJ, **Diergaarde B**, Shen H, Jensen A, Menkiszak J, Cybulski C, Lubinski J, Ziogas A, Rothstein JH, McGuire V, Sieh W, Lester J, Walsh C, Vergote I, Lambrechts S, Despierre E, Garcia-Closas M, Yang H, Brinton LA, Spiewankiewicz B, Rzepecka IK, Dansonka-Mieszkowska A, Seibold P, Rudolph A, Paddock LE, Orlov I, Lundvall L, Olson SH, Hogdall CK, Schwaab I, du Bois A, Harter P, Flanagan JM, Brown R, Paul J, Ekici AB, Beckmann MW, Hein A, Eccles D, Lurie G, Hays LE, Bean YT, Pejovic T, Goodman MT, Campbell I, Fasching PA, Konecny G, Kaye SB, Heitz F, Hogdall E, Bandera EV, Chang-Claude J, Kupryjanczyk J, Wentzensen N, Lambrechts D, Karlan BY, Whittemore AS, Culver HA, Gronwald J, Levine DA, Kjaer SK, Menon U, Schildkraut JM, Pearce CL, Cramer DW, Rossing MA, Chenevix-Trench G; AOCs group; ACS, Pharoah PD, Gayther SA, Ness RB, Odunsi K, Sucheston LE, Knutson KL, and Goode EL. Large-scale evaluation of common variation in regulatory T cell-related genes and ovarian cancer outcome. *Cancer Immunol Res.* 2014, 2(4): 332-40. PMID: 24764580, PMCID: PMC4000890
  26. Weissfeld JL, **Diergaarde B**, Nukui T, Buch S, Pennathur A, Socinski MA, Siegfried JM, and Romkes M. Inherited variation in the ATP-binding cassette transporter *ABCB1* and survival after chemotherapy for advanced stage III-IV lung cancer. *J Thorac Oncol.* 2014, 9(9): 1264-71. PMID: 25122423, PMCID: PMC4134100
  27. Parfenov M, Peadarallu CS, Gehlenborg N, Freeman SS, Danilova L, Bristow CA, Lee S, Hadjipanayis AG, Ivanova EV, Wilkerson MD, Protopopov A, Yang L, Seth S, Song X, Tang

- J, Ren X, Zhang J, Pantazi A, Santoso N, Xu AW, Mahadeshwar H, Wheeler DA, Haddad RI, Jung J, Ojesina AI, Issaeva N, Yarbrough WG, Hayes DN, Grandis JR, El-Naggar AK, Meyerson M, Park PJ, Chin L, Seidman JG, Hammerman PS, Kucherlapati R; Cancer Genome Atlas Network. Characterization of HPV and host genome interactions in primary head and neck cancers. *Proc Natl Acad Sci U S A*. 2014, 111(43): 15544-9. PMID: 25313082, PMCID: PMC4217452. Dr. Diergaarde is a member of the Cancer Genome Atlas Network.
28. Kurta ML, Edwards RP, Moysich KB, McDonough K, Bertolet B, Weissfeld JL, Catov JM, Modugno F, Bunker CH, Ness RB, and **Diergaarde B**. Prognosis and conditional disease-free survival among ovarian cancer patients. *J Clin Oncol*. 2014, 32(36): 4102-12. PMID: 25403208, PMCID: PMC4265120
  29. Dixit R, Weissfeld JL, Wilson DO, Balogh P, Sufka P, Siegfried JM, Grandis JR, and **Diergaarde B**. Incidence of head and neck squamous cell carcinoma among subjects at high risk for lung cancer: results from the Pittsburgh Lung Screening Study. *Cancer* 2015, 121(9): 1431-5. PMID: 25559556, PMCID: PMC4409462
  30. LaRusch J, Lozano-Leon A, Stello K, Moore A, Muddana V, O'Connell M, **Diergaarde B**, Yadav D, and Whitcomb DC. The Common Chymotrypsinogen C (CTRC) Variant G60G (C.180T) Increases Risk of Chronic Pancreatitis But Not Recurrent Acute Pancreatitis in a North American Population. *Clin Transl Gastroenterol*. 2015 Jan 8; 6: e68. doi: 10.1038/ctg.2014.13. PMID: 25569187, PMCID: PMC4418406
  31. Cancer Genome Atlas Network. Comprehensive genomic characterization of head and neck squamous cell carcinomas. *Nature*. 2015, 517(7536): 576-82. PMID: 25631445, PMCID: PMC4311405. Dr. Diergaarde is a member of the Cancer Genome Atlas Network.
  32. Winn DM, Lee YC, Hashibe M, Boffetta P; INHANCE consortium. The INHANCE consortium: toward a better understanding of the causes and mechanisms of head and neck cancer. *Oral Dis*. 2015, 21(6): 685-93. PMID: 25809224. Dr. Diergaarde is a member of the INHANCE consortium.
  33. Minlikeeva AN, Freudenheim JL, Lo-Ciganic W-H, Eng KH, Friel G, **Diergaarde B**, Modugno F, Cannioto R, Gower E, Szender JB, Grzankowski K, Odunsi K, Ness RB, and Moysich KB. Use of common analgesics is not associated with ovarian cancer survival. *Cancer Epidemiol Biomarkers Prev* 2015, 24(8): 1291-4. PMID: 26063476, PMCID: PMC4526413
  34. Weissfeld JL, Lin Y, Lin H-M, Kurland BF, Wilson DO, Fuhrman CR, Pennathur A, Romkes M, Nukui T, Yuan J-M, Siegfried JM, and **Diergaarde B**. Lung cancer risk prediction using common SNPs located in GWAS-identified susceptibility regions. *J Thorac Oncol*. 2015, 10(11): 1538-45. PMID: 26352532, PMCID: PMC4636453
  35. Hedberg ML, Goh G, Chiosea SI, Bauman JE, Freilino M, Zeng Y, Wang L, **Diergaarde B**, Gooding WE, Lui VW, Herbst RS, Lifton RP, and Grandis JR. The Genetic Landscape of Metastasis and Recurrence in HNSCC. *J Clin Invest*. 2016, 126(1): 169-80. PMID: 26619122, PMCID: PMC4701554
  36. Siegfried JM, Lin Y, **Diergaarde B**, Lin H-M, Dacic S, Arjun Pennathur A, Weissfeld JL, Romkes M, Nukui T, and Stabile LP. Expression of PAM50 Genes in Lung Cancer: Evidence that Interactions between Hormone Receptors and HER2/HER3 Contribute to Poor Outcome. *Neoplasia*. 2015, 17(11): 817-25. PMID: 26678909, PMCID: PMC4681883
  37. Cannioto RA, LaMonte MJ, Kelemen LE, Risch HA, Eng KH, Minlikeeva AN, Hong CC, Szender JB, Sucheston-Campbell L, Joseph JM, Berchuck A, Chang-Claude J, Cramer DW, DeFazio A, **Diergaarde B**, Dörk T, Doherty JA, Edwards RP, Fridley BL, Friel G, Goode EL, Goodman MT, Hillemanns P, Hogdall E, Hosono S, Kelley JL, Kjaer SK, Klapdor R, Matsuo K, Odunsi K, Nagle CM, Olsen CM, Paddock LE, Pearce CL, Pike MC, Rossing MA, Schmalfeldt B, Segal BH, Szamreta EA, Thompson PJ, Tseng CC, Vierkant R, Schildkraut JM, Wentzensen N, Wicklund KG, Winham SJ, Wu AH, Modugno F, Ness RB, Jensen A, Webb PM, Terry K, Bandera EV, and Moysich KB. Recreational physical inactivity and

- mortality in women with invasive epithelial ovarian cancer: evidence from the Ovarian Cancer Association Consortium. *Br J Cancer*. 2016 Jun 14. doi: 10.1038/bjc.2016.153. [Epub ahead of print]. PMID: 27299959.
38. Sucheston-Campbell LE, Cannioto R, Clay AI, Etter JL, Eng KH, Liu S, Battaglia S, Hu Q, Szender JB, Minlikeeva A, Joseph JM, Mayor P, Abrams SI, Segal BH, Wallace PK, Soh KT, Zsiros E, Anton-Culver H, Bandera EV, Beckmann MW, Berchuck A, Bjorge L, Bruegl A, Campbell IG, Campbell SP, Chenevix-Trench G, Cramer DW, Dansonka-Mieszkowska A, Dao F, **Diergaarde B**, Doerk T, Doherty JA, du Bois A, Eccles D, Engelholm SA, Fasching PA, Gayther SA, Gentry-Maharaj A, Glasspool RM, Goodman MT, Gronwald J, Harter P, Hein A, Heitz F, Hillemanns P, Høgdall C, Høgdall EV, Huzarski T, Jensen A, Johnatty SE, Jung A, Karlan BY, Klapdor R, Kluz T, Konopka B, Kjær SK, Kupryjanczyk J, Lambrechts D, Lester J, Lubiński J, Levine DA, Lundvall L, McGuire V, McNeish IA, Menon U, Modugno F, Ness RB, Orsulic S, Paul J, Pearce CL, Pejovic T, Pharoah P, Ramus SJ, Rothstein J, Rossing MA, Rübner M, Schildkraut JM, Schmalfeldt B, Schwaab I, Siddiqui N, Sieh W, Sobiczewski P, Song H, Terry KL, Van Nieuwenhuysen E, Vanderstichele A, Vergote I, Walsh CS, Webb PM, Wentzensen N, Whittmore AS, Wu AH, Ziogas A, Odunsi K, Chang-Claude J, Goode EL, Moysich KB; Australian Ovarian Cancer Study. No Evidence That Genetic Variation in the Myeloid-Derived Suppressor Cell Pathway Influences Ovarian Cancer Survival. *Cancer Epidemiol Biomarkers Prev*. 2017 Mar;26(3):420-424. PMID: 27677730.
  39. Lesueur C, **Diergaarde B**, Olshan AF, Wünsch-Filho V, Ness AR, Liu G, Lacko M, Eluf-Neto J, Franceschi S, Laggiou P, Macfarlane GJ, Richiardi L, Boccia S, Polesel J, Kjaerheim K, Zaridze D, Johansson M, Menezes AM, Curado MP, Robinson M, Ahrens W, Canova C, Znaor A, Castellsagué X, Conway DI, Holcátová I, Mates D, Vilensky M, Healy C, Szeszenia-Dąbrowska N, Fabiánová E, Lissowska J, Grandis JR, Weissler MC, Tajara EH, Nunes FD, de Carvalho MB, Thomas S, Hung RJ, Peters WHM, Herrero R, Cadoni G, Bueno-de-Mesquita HB, Annika S, Agudo A, Shan'gina O, Xiao X, Gaborieau V, Chabrier A, Anantharaman D, Boffetta P, Amos CI, McKay JD, Brennan P. Genome-wide association analyses identify new susceptibility loci for oral cavity and pharyngeal cancer. *Nature Genetics* 2016, 48(12):1544-1550. PMID: 27749845, PMCID: PMC5131845
  40. Ben-Dayan MM, Ow TJ, Belbin TJ, Wetzler J, Smith RV, Childs G, **Diergaarde B**, Hayes DN, Grandis JR, Prystowsky MB, Schlecht NF. Nonpromoter methylation of the CDKN2A gene with active transcription is associated with improved locoregional control in laryngeal squamous cell carcinoma. *Cancer Med*. 2017 Feb;6(2):397-407. PMID: 28102032, PMCID: PMC5313649
  41. Minlikeeva AN, Freudenheim JL, Cannioto RA, Szender JB, Eng KH, Modugno F, Ness RB, LaMonte MJ, Friel G, Segal BH, Odunsi K, Mayor P, Zsiros E, Schmalfeldt B, Klapdor R, Dörk T, Hillemanns P, Kelemen LE, Köbel M, Steed H, de Fazio A; Australian Ovarian Cancer Study Group, Jordan SJ, Nagle CM, Risch HA, Rossing MA, Doherty JA, Goodman MT, Edwards R, Matsuo K, Mizuno M, Karlan BY, Kjær SK, Høgdall E, Jensen A, Schildkraut JM, Terry KL, Cramer DW, Bandera EV, Paddock LE, Kiemeny LA, Massuger LF, Kupryjanczyk J, Berchuck A, Chang-Claude J, **Diergaarde B**, Webb PM, Moysich KB; Ovarian Cancer Association Consortium. History of hypertension, heart disease, and diabetes and ovarian cancer patient survival: evidence from the ovarian cancer association consortium. *Cancer Causes Control*. 2017 May;28(5):469-486. PMID: 28293802.
  42. Minlikeeva AN, Freudenheim JL, Cannioto RA, Eng KH, Szender JB, Mayor P, Etter JL, Cramer DW, **Diergaarde B**, Doherty JA, Dörk T, Edwards R, deFazio A, Friel G, Goodman MT, Hillemanns P, Høgdall E, Jensen A, Jordan SJ, Karlan BY, Kjær SK, Klapdor R, Matsuo K, Mizuno M, Nagle CM, Odunsi K, Paddock L, Rossing MA, Schildkraut JM, Schmalfeldt B, Segal BH, Starbuck K, Terry KL, Webb PM, Zsiros E, Ness RB, Modugno F, Bandera EV, Chang-Claude J, and Moysich KB. History of thyroid disease and survival of ovarian cancer

- patients: results from the Ovarian Cancer Association Consortium, a brief report. *Br J Cancer*. 2017 Sep 26;117(7):1063-1069. PMID: 28817835, PMCID: PMC5625672
43. Minlikeeva AN, Freudenheim JL, Eng KH, Cannioto RA, Friel G, Szender JB, Segal B, Odunsi K, Mayor P, **Diergaarde B**, Zsiros E, Kelemen LE, Köbel M, Steed H, deFazio A, Jordan SJ, Fasching PA, Beckmann MW, Risch HA, Rossing MA, Doherty JA, Chang-Claude J, Goodman MT, Dörk T, Edwards R, Modugno F, Ness RB, Matsuo K, Mizuno M, Karlan BY, Goode EL, Kjær SK, Høgdall E, Schildkraut JM, Terry KL, Cramer DW, Bandera EV, Paddock LE, Kiemeny LA, Massuger LFAG, Sutphen R, Anton-Culver H, Ziogas A, Menon U, Gayther SA, Ramus SJ, Gentry-Maharaj A, Pearce CL, Wu AH, Kupryjanczyk J, Jensen A, Webb PM, Moysich KB; Ovarian Cancer Association Consortium; Australian Ovarian Cancer Study Group. History of Comorbidities and Survival of Ovarian Cancer Patients, Results from the Ovarian Cancer Association Consortium. *Cancer Epidemiol Biomarkers Prev*. 2017 Sep;26(9):1470-1473. PMID: 28864456, PMCID: PMC5649363
  44. Stabile LP, Farooqui M, Kanterewicz B, Abberbock S, Kurland BF, **Diergaarde B**, and Siegfried JM. Preclinical Evidence for Combined Use of Aromatase Inhibitors and NSAIDs as Preventive Agents of Tobacco-Induced Lung Cancer. *J Thorac Oncol*. 2018 Mar;13(3):399-412. PMID: 29233790, PMCID: PMC5825271
  45. Minlikeeva AN, Moysich KB, Mayor PC, Etter JL, Cannioto RA, Ness RB, Starbuck K, Edwards RP, Segal BH, Lele S, Odunsi K, **Diergaarde B**, and Modugno F. Anthropometric characteristics and ovarian cancer risk and survival. *Cancer Causes Control*. 2018 Feb;29(2):201-212. PMID: 29327114, PMCID: PMC5796836
  46. Bon J, Zhang Y, Leader JK, Fuhrman C, Perera S, Chandra D, Bertolet M, **Diergaarde B**, Greenspan SL, and Scirba FC. Radiographic Emphysema, Circulating Bone Biomarkers, and Progressive Bone Mineral Density Loss in Smokers. *Ann Am Thorac Soc*. 2018 Jan 12. doi: 10.1513/AnnalsATS.201709-743OC. [Epub ahead of print] PMID: 29328885, PMCID: PMC5949608
  47. Leng S, **Diergaarde B**, Picchi MA, Wilson DO, Gilliland FD, Yuan JM, Siegfried JM, and Belinsky SA. Gene Promoter Hypermethylation Detected in Sputum Predicts FEV1 Decline and All-cause Mortality in Smokers. *Am J Respir Crit Care Med*. 2018 Feb 13. doi: 10.1164/rccm.201708-1659OC. [Epub ahead of print] PMID: 29437466, PMCID: PMC6058990
  48. Luthra S, Chandran U, **Diergaarde B**, Becich M, Lee AV, Neumann CA. Expression of reactive species related genes is associated with patient survival in luminal B breast cancer. *Free Radic Biol Med*. 2018 May 20;120:170-180. doi: 10.1016/j.freeradbiomed.2018.03.011. Epub 2018 Mar 12. PMID: 29545070, PMCID: PMC5940524
  49. Kachuri L, Saarela O, Bojesen SE, Davey Smith G, Liu G, Landi MT, Caporaso NE, Christiani DC, Johansson M, Panico S, Overvad K, Trichopoulou A, Vineis P, Scelo G, Zaridze D, Wu X, Albanes D, **Diergaarde B**, Lagiou P, Macfarlane GJ, Aldrich MC, Tardón A, Rennert G, Olshan AF, Weissler MC, Chen C, Goodman GE, Doherty JA, Ness AR, Bickeböller H, Wichmann HE, Risch A, Field JK, Teare MD, Kiemeny LA, van der Heijden EHFM, Carroll JC, Haugen A, Zienolddiny S, Skaug V, Wunsch-Filho V, Tajara EH, Ayoub Moysés R, Dumas Nunes F, Lam S, Eluf-Neto J, Lacko M, Peters WHM, Le Marchand L, Duell EJ, Andrew AS, Franceschi S, Schabath MB, Manjer J, Arnold S, Lazarus P, Mukeriya A, Swiatkowska B, Janout V, Holcatova I, Stojic J, Mates D, Lissowska J, Boccia S, Lesueur C, Zong X, McKay JD, Brennan P, Amos CI, Hung RJ. Mendelian Randomization and mediation analysis of leukocyte telomere length and risk of lung and head and neck cancers. *Int J Epidemiol*. 2018 Jul 28. doi: 10.1093/ije/dyy140. [Epub ahead of print] PMID: 30059977
  50. Rosenzweig M, West M, Matthews J, Stokan M, Yoojin Kook YK, Gallups S, **Diergaarde B**. Financial Toxicity Among Women With Metastatic Breast Cancer. *Oncol Nurs Forum*. 2019 Jan 13;46(1):83-91. doi: 10.1188/19.ONF.83-91. PMID: 30547962

51. Jiang X, Finucane HK, Schumacher FR, Schmit SL, Tyrer JP, Han Y, Michailidou K, Lesueur C, Kuchenbaecker KB, Dennis J, Conti DV, Casey G, Gaudet MM, Huyghe JR, Albanes D, Aldrich MC, Andrew AS, Andrulis IL, Anton-Culver H, Antoniou AC, Antonenkova NN, Arnold SM, Aronson KJ, Arun BK, Bandera EV, Barkardottir RB, Barnes DR, Batra J, Beckmann MW, Benitez J, Benlloch S, Berchuck A, Berndt SI, Bickeböller H, Bien SA, Blomqvist C, Boccia S, Bogdanova NV, Bojesen SE, Bolla MK, Brauch H, Brenner H, Brenton JD, Brook MN, Brunet J, Brunnström H, Buchanan DD, Burwinkel B, Butzow R, Cadoni G, Caldés T, Caligo MA, Campbell I, Campbell PT, Cancel-Tassin G, Cannon-Albright L, Campa D, Caporaso N, Carvalho AL, Chan AT, Chang-Claude J, Chanock SJ, Chen C, Christiani DC, Claes KBM, Claessens F, Clements J, Collée JM, Correa MC, Couch FJ, Cox A, Cunningham JM, Cybulski C, Czene K, Daly MB, deFazio A, Devilee P, Diez O, Gago-Dominguez M, Donovan JL, Dörk T, Duell EJ, Dunning AM, Dwek M, Eccles DM, Edlund CK, Edwards DRV, Ellberg C, Evans DG, Fasching PA, Ferris RL, Liloglou T, Figueiredo JC, Fletcher O, Fortner RT, Fostira F, Franceschi S, Friedman E, Gallinger SJ, Ganz PA, Garber J, García-Sáenz JA, Gayther SA, Giles GG, Godwin AK, Goldberg MS, Goldgar DE, Goode EL, Goodman MT, Goodman G, Grankvist K, Greene MH, Gronberg H, Gronwald J, Guénel P, Håkansson N, Hall P, Hamann U, Hamdy FC, Hamilton RJ, Hampe J, Haugen A, Heitz F, Herrero R, Hillemanns P, Hoffmeister M, Høgdall E, Hong YC, Hopper JL, Houlston R, Hulick PJ, Hunter DJ, Huntsman DG, Idos G, Ilyanov EN, Ingles SA, Isaacs C, Jakubowska A, James P, Jenkins MA, Johansson M, Johansson M, John EM, Joshi AD, Kaneva R, Karlan BY, Kelemen LE, Kühl T, Khaw KT, Khusnutdinova E, Kibel AS, Kiemenev LA, Kim J, Kjaer SK, Knight JA, Kogevinas M, Kote-Jarai Z, Koutros S, Kristensen VN, Kupryjanczyk J, Lacko M, Lam S, Lambrechts D, Landi MT, Lazarus P, Le ND, Lee E, Lejbkiewicz F, Lenz HJ, Leslie G, Lessel D, Lester J, Levine DA, Li L, Li CI, Lindblom A, Lindor NM, Liu G, Loupakis F, Lubiński J, Maehle L, Maier C, Mannermaa A, Marchand LL, Margolin S, May T, McGuffog L, Meindl A, Middha P, Miller A, Milne RL, MacInnis RJ, Modugno F, Montagna M, Moreno V, Moysich KB, Mucci L, Muir K, Mulligan AM, Nathanson KL, Neal DE, Ness AR, Neuhausen SL, Nevanlinna H, Newcomb PA, Newcomb LF, Nielsen FC, Nikitina-Zake L, Nordestgaard BG, Nussbaum RL, Offit K, Olah E, Olama AAA, Olopade OI, Olshan AF, Olsson H, Osorio A, Pandha H, Park JY, Pashayan N, Parsons MT, Pejovic T, Penney KL, Peters WHM, Phelan CM, Phipps AI, Plaseska-Karanfilska D, Pring M, Prokofyeva D, Radice P, Stefansson K, Ramus SJ, Raskin L, Rennert G, Rennert HS, van Rensburg EJ, Riggan MJ, Risch HA, Risch A, Roobol MJ, Rosenstein BS, Rossing MA, De Ruyck K, Saloustros E, Sandler DP, Sawyer EJ, Schabath MB, Schleutker J, Schmidt MK, Setiawan VW, Shen H, Siegel EM, Sieh W, Singer CF, Slattery ML, Sorensen KD, Southey MC, Spurdle AB, Stanford JL, Stevens VL, Stintzing S, Stone J, Sundfeldt K, Sutphen R, Swerdlow AJ, Tajara EH, Tangen CM, Tardon A, Taylor JA, Teare MD, Teixeira MR, Terry MB, Terry KL, Thibodeau SN, Thomassen M, Bjørge L, Tischkowitz M, Toland AE, Torres D, Townsend PA, Travis RC, Tung N, Tworoger SS, Ulrich CM, Usmani N, Vachon CM, Van Nieuwenhuysen E, Vega A, Aguado-Barrera ME, Wang Q, Webb PM, Weinberg CR, Weinstein S, Weissler MC, Weitzel JN, West CML, White E, Whittemore AS, Wichmann HE, Wiklund F, Winqvist R, Wolk A, Woll P, Woods M, Wu AH, Wu X, Yannoukacos D, Zheng W, Zienoldiny S, Ziogas A, Zorn KK, Lane JM, Saxena R, Thomas D, Hung RJ, **Diergaarde B**, McKay J, Peters U, Hsu L, García-Closas M, Eeles RA, Chenevix-Trench G, Brennan PJ, Haiman CA, Simard J, Easton DF, Gruber SB, Pharoah PDP, Price AL, Pasaniuc B, Amos CI, Kraft P, Lindström S. Shared heritability and functional enrichment across six solid cancers. *Nat Commun*. 2019 Jan 25;10(1):431. doi: 10.1038/s41467-018-08054-4. PMID: 30683880, PMCID: PMC6347624
52. Klar N, Rosenzweig M, **Diergaarde B**, Brufsky A. Features Associated With Long-Term Survival in Patients With Metastatic Breast Cancer. *Clin Breast Cancer*. 2019 Feb 6. pii:

S1526-8209(18)30853-X. doi: 10.1016/j.clbc.2019.01.014. [Epub ahead of print] PMID: 30827763

53. Minlikeeva AN, Cannioto R, Jensen A, Kjaer SK, Jordan SJ, Diergaarde B, Szender JB, Odunsi K, Almohanna H, Mayor P, Starbuck K, Zsiros E, Bandera EV, Cramer DW, Doherty JA, DeFazio A; Australian Ovarian Cancer Study Group, Edwards R, Goode EL, Goodman MT, Høgdall E, Matsuo K, Mizuno M, Nagle CM, Ness RB, Paddock LE, Pearce CL, Risch HA, Rossing MA, Terry KL, Wu AH, Modugno F, Webb PM, Moysich KB; Ovarian Cancer Association Consortium. Joint exposure to smoking, excessive weight, and physical inactivity and survival of ovarian cancer patients, evidence from the Ovarian Cancer Association Consortium. *Cancer Causes Control*. 2019 May;30(5):537-547. doi: 10.1007/s10552-019-01157-3. Epub 2019 Mar 23. PMID: 30905014, PMCID: PMC6614876

## **2. Book Chapters**

1. **Diergaarde B**, Van 't Veer P, and Kampman E. Voeding, Genen en Dikkedarmkanker (*Nutrition, Genes, and Colon Cancer*). In: *Informatarium voor Voeding en Diëtetiek*. Bohn Stafleu van Loghum, Houten, the Netherlands, 2001, p. Voedingsleer XXIVc1-XXIVc16.
2. Bowen D, Beresford S, and **Diergaarde B**. Social and Psychological Aspects of Ecogenetics. In: *Gene-Environment Interactions: Fundamentals of Ecogenetics*. Costa, L.G., and Eaton, D.L. (Eds). John Wiley and Sons, Hoboken, NJ, 2006, p. 397-410.

## **3. Invited Articles**

1. Nelis A, and **Diergaarde B**. Erfelijke borstkanker - de keuzes (*Hereditary breast cancer – the choices*). *Tijdschrift voor Gezondheid & Politiek* 1997; 3 (15): 24-26.
2. **Diergaarde B**, and Grandis JR. Human papillomavirus and head and neck cancer. *Oncology* (Williston Park) 2010; 24:927, 933. PMID: 21138174

## **4. Articles on bioRxiv**

1. Fan Zhenjiang, Soyeon Kim, **Brenda Diergaarde**, Hyun Jung Park. 3'-UTR shortening disrupts ceRNA crosstalk of housekeeping genes resulting in subtype-specific breast cancer development. bioRxiv 601526; doi: <https://doi.org/10.1101/601526>
2. Soyeon Kim, Yulong Bai, **Brenda Diergaarde**, George C. Tseng, Hyun Jung Park. Alternative Polyadenylation Modifies Target Sites of MicroRNAs with Clinical Potential for Breast Cancer Progression. bioRxiv 601518; doi: <https://doi.org/10.1101/601518>

## **5. Published Abstracts**

1. **Diergaarde B**, Vrieling A, Van Kraats AA, Van Muijen GNP, Kok FJ, and Kampman E. Cigarette smoking and genetic alterations in sporadic colon carcinomas. *Cancer Epidemiol. Biomarkers Prev.*2002; 11: 1174S-1175S.
2. **Diergaarde B**, Braam H, Van Muijen GNP, Ligtenberg MJL, Kok FJ, and Kampman, E. Dietary factors and occurrence of microsatellite instability in sporadic colon carcinomas. *Am. J. Hum. Genet.* 2003; 73: 245-245.
3. **Diergaarde B**, Braam H, Vasen HF, Nagengast FM, Van Muijen GNP, Kok FJ, and Kampman E. Dietary factors and HNPCC-associated colorectal tumors. *Cancer Epidemiol. Biomarkers Prev.*2004; 13: 1893S-1893S.
4. Botma A, Vasen HF, **Diergaarde B**, Nagengast FM, and Kampman E. Lifestyle factors and the development of colorectal tumours in persons with HNPCC. *Familial Cancer* 2007; 6: 353-354.



5. Brand R, Brand H, Lozano A, Moore A, **Diergaarde B**, and Whitcomb DC. Polymorphisms in metabolic genes are associated with early onset pancreatic cancer. *Pancreas* 2010; 39: 1312-1312.
6. Kurta M, and **Diergaarde B**. The impact of fertility drug use, infertility, and lifetime ovulation on ovarian cancer risk. *Cancer Prev Res* 2011; Volume 4, Issue 10, Supplement 1.
7. Siegfried JM, Lin Y, Dacic S, **Diergaarde B**, Stabile LP, Lin H-M, Romkes M. Prediction of lung cancer survival by genes in the PAM50 breast cancer panel. In: Proceedings of the AACR-IASLC Joint Conference on Molecular Origins of Lung Cancer; 2014 Jan 6-9; San Diego, CA. Philadelphia (PA): AACR; *Clin Cancer Res* 2014;20(2Suppl):Abstract nr B20.
8. Kolia NR, **Diergaarde B**, Mountz J, Grandis JR, and Branstetter B. Prognostic Value of Pretreatment FDG-PET Scans in HPV+ OPSCC. 2015 AAO-HNSF Annual Meeting. *Otolaryngol Head Neck Surg* 2015; vol. 153 (no. 1 suppl): P161-P172.
9. **Brenda Diergaarde**, Beatriz Kanterewicz, Mary E. Rothstein, Autumn Gaither-Davis, Shira R. Abberbock, Brenda F. Kurland, and Laura P. Stabile. Effect of diet-induced obesity on tobacco carcinogen-induced lung carcinogenesis in mice. *Cancer Res* 76, 2016 (14 Supplement) LB-079-LB-079; DOI:10.1158/1538-7445.AM2016-LB-079.
10. SL Puhalla, TA Katz, **B Diergaarde**, J Yu, and S Oesterreich. Methylation of BRCA1 and response to the PARP inhibitor veliparib. *Cancer Res* 77, 2017 (4 Supplement) P6-11-07-P6-11-07; DOI:10.1158/1538-7445.SABCS16-P6-11-07.
11. DL Giesler, MQ Rosenzweig, **B Diergaarde**, and SL Puhalla. Clinical and pathological characteristics of a representative cohort of long-term metastatic breast cancer (MBC) survivors. *Cancer Res* 77, 2017 (4 Supplement) P6-09-34-P6-09-34; DOI:10.1158/1538-7445.SABCS16-P6-09-34.
12. Patel K, **Diergaarde B**, Brufsky A, Jankowitz RC, Lembersky BC, Priya Rastogi P, and Puhalla SL. Incidence of febrile neutropenia with use of docetaxel plus cyclophosphamide (TC) for breast cancer. *J Clin Oncol* 2017 35:15\_suppl, e12073-e12073.
13. Rachel C. Jankowitz, Kevin Levine, Maryam Zamanian, Matthew Sikora, Nilgun Tasmemir, Priscilla McAuliffe, David Dabbs, Nancy Davidson, **Brenda Diergaarde**, and Steffi Oesterreich. Associations between biomarkers and outcome in a patient cohort with invasive lobular carcinoma. *Cancer Res* 77, 2017 (13 Supplement) 5645-5645; DOI:10.1158/1538-7445.AM2017-5645.
14. Roby Antony Thomas, Natalie Klar, **Brenda Diergaarde**, Lesli Ann Kiedrowski, Rebecca J Nagy, Adrian V. Lee, and Adam Brufsky. Use of cell-free DNA for management of breast and lung cancer by academic and community providers. *J Clin Oncol* 36, 2018 (suppl; abstr 12046).
15. Natalie Klar, Margaret Q. Rosenzweig, **Brenda Diergaarde**, Adam Brufsky. Features associated with long-term survival in metastatic breast cancer. *J Clin Oncol* 36, 2018 (suppl; abstr e13074).
16. Hsin-Hui Huang, Marnie Bertolet, Emma Barinas-Mitchell, **Brenda Diergaarde**, Chung-Chou Chang. Meta-analysis of effect of hormone therapies on lipid levels in breast cancer patients. *J Clin Oncol* 37, 2019 (suppl; abstr e18243)

## **6. Presentations**

1. **Diergaarde B**. Het humane genome project en de productie van 'het genetische lichaam'. Paper presented at *Women's Studies Graduate Student Symposium*, Utrecht, Netherlands, May 1995.
2. **Diergaarde B**. Mapping the Human Genome: Standardization and Diversity. Paper presented at the *Graduate School Science, Technology and Modern Culture* workshop on "Practices and Politics of Formalization, Standardization and Classification", Maastricht, Netherlands, December 1995.

3. **Diergaarde B.** Women's studies and biology: an ambivalent relationship. Paper presented at *Centrum Vrouwenstudies Filosofie*, Groningen, Netherlands, April 1997.
4. **Diergaarde B.**, and Mol A. Genetic tests and the transformation of pathology: The case of breast cancer. Paper presented at the *2<sup>nd</sup> European Social Science History Conference*, Amsterdam, Netherlands, March 1998.
5. **Diergaarde B.**, and Mol A. Zo complex als het leven zelf. Paper presented at the *Graduate School Science, Technology and Modern Culture* workshop on "The New Genetics", Enschede, Netherlands, December 1999.
6. **Diergaarde B.** Patenting genes: regulations and consequences. Paper presented at the *Graduate School Science, Technology and Modern Culture* workshop on "Normative, Political, and Cultural Aspects of Human Genetics", Amsterdam, Netherlands, August 2001.
7. **Diergaarde B.**, Van Geloof WL, Van Muijen GNP, and Kampman E. Voeding en APC mutaties in sporadische dikkedarmkanker. Paper presented at the annual meeting of the *Dutch Society for Epidemiologic Research*, Amsterdam, Netherlands, June 2001.
8. **Diergaarde B.**, Van Geloof WL, Van Muijen GNP, and Kampman E. Diet and APC mutations in colon tumors. Poster presented at the *European Conference on Nutrition and Cancer*, IARC, Lyon, France, June 2001.
9. **Diergaarde B.**, Vrieling A, Van Kraats AA, Van Muijen GNP, Kok FJ, and Kampman E. Cigarette smoking and genetic alterations in sporadic colon carcinomas. Poster presented at the *American Association for Cancer Research International Conference, Frontiers in Cancer Prevention Research*, Boston, MA, October 2002.
10. **Diergaarde B.**, Braam H, Van Muijen GNP, Ligtenberg MJL, Kok FJ and Kampman E. Dietary factors and occurrence of microsatellite instability in sporadic colon carcinomas. Poster presented at the *American Society of Human Genetics 53<sup>rd</sup> Annual Meeting*, Los Angeles, CA, November 2003.
11. **Diergaarde B.**, Tiemersma EW, Braam H, Van Muijen GNP, Nagengast FM, Kok FJ, and Kampman E. Diet and truncating APC mutations in sporadic adenomatous polyps. Poster presented at the *American Association for Cancer Research 95<sup>th</sup> Annual Meeting*, Orlando, FL, March 2004.
12. **Diergaarde B.**, Braam H, Vasen HF, Nagengast FM, Van Muijen GNP, Kok FJ, and Kampman E. Dietary factors and HNPCC-associated colorectal tumors. Poster presented at the *American Association for Cancer Research International Conference, Frontiers in Cancer Prevention Research*, Seattle, WA, October 2004.
13. **Diergaarde B.**, Ludman E, Culver J, and Bowen DJ. Genetic information: special or not? Responses from focus groups with Health Plan members. Poster presented at the *American Society of Human Genetics 54<sup>th</sup> Annual Meeting*, Toronto, Canada, October 2004.
14. **Diergaarde B.**, Goode EL, Templeton AS, Cunningham JM, Potter JD, for the Colon CFR. A genome-wide linkage scan for colorectal cancer-susceptibility loci using the Affymetrix 10K 2.0 SNP array. Poster presented at the *Breast and Colon Cancer Family Registry Biannual Meeting*, Bethesda, MD, December 2005.
15. **Diergaarde B.**, Brand R, Lamb J, Cheong SY, Stello K, Barmada MM, Feingold E, and Whitcomb DC. Genome-wide association study implicates gamma-glutamyltransferase 1 (GGT1) gene in pancreatic carcinogenesis. Poster presented at *41<sup>st</sup> Meeting of the European Pancreatic Cancer Club*, Szeged, Hungary, July 2009.
16. Brand H, Weissfeld JL, and **Diergaarde B.** Common variation in inflammation-related genes and mammographic density in postmenopausal women. Poster presented at the *American Society of Preventive Oncology 34<sup>th</sup> Annual Meeting*, Bethesda, MD, March 2010.
17. Song JY, Weissfeld JL, **Diergaarde B.**, Stabile L, Land S, Bowser R, Dacic S, and Siegfried J. HGF and c-Met: Immunohistochemical expression and survival of lung cancer. Poster presented at the *American Society of Preventive Oncology 34<sup>th</sup> Annual Meeting*, Bethesda, MD, March 2010.

18. **Diergaarde B**, Buch S, Nukui T, Day R, Siegfried J, Weissfeld JL, and Romkes M. Variation in base excision repair genes and risk of smoking-related non-small cell lung cancer. Late-breaking poster presented at the *American Association for Cancer Research 101<sup>st</sup> Annual Meeting*, Washington, DC, April 2010.
19. **Diergaarde B**. The sunshine vitamin and lung cancer prevention. *Dean's Junior Faculty Seminar*, Graduate School of Public Health, University of Pittsburgh, October 14, 2010
20. Egloff AM, **Diergaarde B**, Romkes M, Weissfeld J, Grandis J, and Fung C. Polymorphisms in ERBB family growth factor receptors and ligands and risk of head and neck squamous cell carcinoma (HNSCC). Paper presented at *AHNS 2010 Workshop on the Biology, Prevention and Treatment of Head & Neck Cancer*, Arlington, VA, October, 2010.
21. **Diergaarde B**, Du Y, Buch S, Romkes M, Hershberger P, Weissfeld J, and Siegfried J. Variation in NF- $\kappa$ B pathway genes and risk of lung cancer. Paper presented at *Thomas L. Petty Aspen Lung Conference 54<sup>th</sup> Annual Meeting*, Aspen, CO, June 2011.
22. **Diergaarde B**, Du Y, Buch S, Romkes M, Hershberger P, Weissfeld J, and Siegfried J. Common variation in NF- $\kappa$ B pathway genes and risk of smoking-associated lung cancer. Paper presented at *14th World Conference on Lung Cancer – International Association for the Study of Lung Cancer*, Amsterdam, Netherlands, July 2011.
23. **Diergaarde B**, Du Y, Buch S, Romkes M, Hershberger P, Weissfeld J, and Siegfried J. Variation in NF- $\kappa$ B pathway genes and smoking-related lung cancer. Paper presented at the *NCI Translational Science Meeting 2011: From Molecular Information to Cancer Medicine*, Washington, DC, July 2011.
24. **Diergaarde B**. Next-generation sequencing 101: reading and interpreting the data. Seminar Department of Otolaryngology – University of Pittsburgh Head and Neck Cancer SPORE, April 9, 2012.
25. Fung C, Trent K, Joyce S, Zhou P, Nukui T, Weeks DE, **Diergaarde B**, Ye Y, Wu X, Yuan JM, Grandis J, Weissfeld JL, Romkes M, Egloff AM. Identification of epidermal growth factor receptor (EGFR) polymorphisms that modify risk for squamous cell carcinoma of the head and neck (HNSCC). Poster presented at *American Association for Cancer Research Annual Meeting 2013*, April 6-10, 2013, Washington, DC.
26. Hedberg ML, Lui V, Li H, Vangara B, Pendleton K, Zeng Y, Gilbert B, Freilino M, Sauerwein S, Peyser N, **Diergaarde B**, Hammerman P, Garraway L, Mills G, Grandis J. The PI3K pathway is the most frequently mutated mitogenic pathway in HNSCC. Poster presented at *American Association for Cancer Research Annual Meeting 2013*, April 6-10, 2013, Washington, DC.
27. Botma A, **Diergaarde B**, Nagengast FM, van Duijnhoven FJ, Winkels RM, Witteman BJM, Vasen HFA, Kampman E. Body mass index, polymorphisms in insulin-like growth factor axis genes and colorectal adenoma recurrence. Poster presented at the *1<sup>st</sup> World Congress on Controversies in Gastroenterology*, June 13-15, 2013, Berlin, Germany.
28. Kurta ML, Edwards RP, Moysich KB, McDonough K, Bertolet B, Weissfeld JL, Catov JM, Modugno F, Bunker CH, Ness RB, and **Diergaarde B**. Prognosis and conditional disease-free survival among ovarian cancer patients. Late-breaking poster presented at the *American Association for Cancer Research Annual Meeting 2014*, April 5-9, 2014, San Diego, CA.
29. Normolle D, **Diergaarde B**, and Bauman J. Beyond the MTD: Personalized Medicine and Clinical Trial Design. Paper presented at *2015 ENAR Spring Meeting*, March 15-18, 2015, Miami, FL.
30. Sheth S, Weissfeld JL, Romkes M, Ferris RL, Grandis JR, Bauman JE, **Diergaarde B**. Germline variation in *NFE2L2*, *CUL3*, *KEAP1* and risk of head and neck squamous cell carcinoma (HNSCC). Poster presented at the *American Society of Clinical Oncology Annual Meeting 2015*, May 29-June 2, 2015, Chicago, IL.

31. Kolia NR, **Diergaarde B**, Mountz J, Grandis JR, and Branstetter B. Prognostic Value of Pretreatment FDG-PET Scans in HPV+ OPSCC. Poster presented at the *2015 AAO-HNSF Annual Meeting*, September 27-30, 2015, Dallas, TX. Won the 2015 AAO-HNSF Annual Meeting & OTO EXPO<sup>SM</sup> Best in Show Scientific Poster award.
32. **Diergaarde B**, Kanterewicz B, Rothstein ME, Gaither-Davis A, Abberbock SR, Kurland BF, Stabile LP. Effect of diet-induced obesity on tobacco carcinogen-induced lung carcinogenesis in mice. Poster presented at *American Association for Cancer Research Annual Meeting 2016*, April 16-20, 2013, New Orleans, LA.
33. **Diergaarde B**. ctDNA for early detection and monitoring of CRC. Presentation at *EDRN Planning and Steering Committee Meeting*. October 19-21, 2016, Bethesda, MA.

## OTHER PROFESSIONAL ACTIVITIES

2005-2009	Consultant on The Netherlands Organization for Scientific Research (NWO) Grant (Annemarie Mol, PI): <i>Good Food, Good Information. Ethics and information: The Case of Personal Diets.</i>
2009	NIH, grant review: IAR reviewer for NIH Challenge Grants
2010-2012, 2014-2017, 2019	Judge poster sessions (Basic Science and Population Science) at University of Pittsburgh Cancer Institute Annual Scientific Retreat
2011, 2013, 2014, 2018	Judge poster sessions University of Pittsburgh Graduate School of Public Health Dean's Day Competition
2011-2017	Member Curriculum Committee Department of Epidemiology, University of Pittsburgh Graduate School of Public Health
2011-2013	Faculty member UPCI Hematology/Oncology Journal Club. Attend and advise Hematology/Oncology fellows on biostatistics.
2012	IAR Reviewer for meeting 2012/05 ZCA1 SRLB-D (M1) R - Provocative Questions R21
2012	IAR Reviewer for meeting 2012/05 ZCA1 SRLB-9 (M1) R - Provocative Questions R01
2012	Member <i>ASCO Educational Book</i> Expert Panel. Track: Cancer Prevention/Epidemiology
2013-present	Member University of Pittsburgh Health Sciences Genomics Research Core Facility Advisory Committee
2013, 2014	Co-Leader Human Subjects Research Discussion Group - Plunge into Public Health and Pittsburgh Program
2014, 2016, 2017	Grant reviewer for The Brandon C. Gromada Head & Neck Cancer Foundation
2014	Reviewer Special Emphasis Panel/Scientific Review Group 2014/10 ZCA1 SRB-2 (O1) S - NCI Omnibus Review - Oncogenesis, Cancer Risk and Prevention
2014	Reviewer Special Emphasis Panel/Scientific Review Group 2014/10 ZCA1 TCRB-Y (O4) S - Small Grants Program for Epidemiology

2015	Reviewer Special Emphasis Panel/Scientific Review Group 2015/05 ZCA1 SRB-H (M1) S - Small Grants Program for Cancer Epidemiology
2015	Lead Human Subjects Research Discussion Group - Plunge into Public Health and Pittsburgh Program; August 2015
2015-2018	Associate Editor, BMC Cancer
2016	Reviewer for Cancer Research UK. Funding Scheme: Population Research Committee - Catalyst Award
2016	Chair, Epidemiology and Genetics session, 1 <sup>st</sup> International Invasive Lobular Cancer Symposium. September 29-30, 2016, Pittsburgh, PA
2017	Reviewer Special Emphasis Panel/Scientific Review Group 2017/05 ZRG1 OBT-B (55) Cancer Health Disparities
2017	Member Special Emphasis Panel/Scientific Review Group 2017/10 ZCA1 TCRB-D (O2) R - Informatics Tools for Cancer Surveillance
2017	Member Special Emphasis Panel/Scientific Review Group 2018/01 ZRG1 OBT-B (55) - Cancer Health Disparities
2018	Member Special Emphasis Panel/Scientific Review Group 2018/05 ZRG1 OBT-E (55) R - Cancer Health Disparities
2018	Member (temporary), Special Emphasis Panel/Scientific Review Group 2018/10 CG - Cancer Genetics Study Section
2018-present	Faculty Diversity Committee, Graduate School of Public Health, University of Pittsburgh
2018	Reviewer pilot grants, University of Pittsburgh School of Nursing
2018	Reviewer UPMC Hillman Developmental Funding Program
2019	Reviewer applicants to the Clinical and Translational Science (CTS) Scholars Program (KL2)

**Ad hoc reviewer for:**

- *American Journal of Epidemiology*
- *American Journal of Medical Genetics*
- *BMC Cancer*
- *BMC Public Health*
- *Cancer*
- *Cancer Causes & Control*
- *Cancer Epidemiology, Biomarkers & Prevention*
- *Cancer Medicine*
- *Carcinogenesis*
- *Clinical Cancer Research*
- *Cochrane Reviews*
- *European Journal of Clinical Nutrition*
- *Gastroenterology*
- *Gut*
- *International Journal of Cancer*
- *International Journal of Epidemiology*

- *Journal of Clinical Oncology*
- *Molecular Carcinogenesis*
- *Mutation Research*
- *PLoS One Genetics*
- *PLoS One*
- *Scientific Reports*
- *The Journal of Medicine and Philosophy*
- *The Lancet Respiratory Medicine*
- *The Pharmacogenomics Journal*