**TING-YUAN DAVID CHENG, M.S., M.H.S., Ph.D.**

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**Current Position(s)**

Associate Professor (tenured)

Division of Cancer Prevention and Control

Department of Internal Medicine

The Ohio State University

Columbus, OH

**Education**

PhD Epidemiology, University of Washington, Seattle, WA, USA 2013

MHS Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD, USA 2007

MS Environmental & Occupational Health, National Cheng Kung University, Taiwan 2000

BS Public Health, Chung Shan Medical College, Taiwan 1998

# Academic Appointments

Associate Professor (tenured) 2022 – Present
Department of Internal Medicine
The Ohio State University

Columbus, Ohio

Assistant Professor (tenure track) 2016/11 – 2022/3
Department of Epidemiology
University of Florida
Gainesville, FL

Assistant Professor 2014/04 – 2016/10

Cancer Prevention and Control

Roswell Park Cancer Institute

Buffalo, NY

Research Assistant Professor 2013/07 – 2014/03

Cancer Prevention and Control

Roswell Park Cancer Institute

Buffalo, NY

Pre-doctoral Research Associate 2009 – 2013

Cancer Prevention Program

Public Health Sciences

Fred Hutchinson Cancer Research Center

Seattle, WA

Research Specialist 2007 ­– 2009

Center of Human Nutrition

Department of International Health

Johns Hopkins Bloomberg School of Public Health

Baltimore, MD

Senior Research Assistant, 2004 – 2005

Division of Health Policy Research,

National Health Research Institutes (NHRI),

Taiwan

Research Assistant 2001 – 2003

Division of Health Policy Research,

National Health Research Institutes (NHRI),

Taiwan

**Professional Development**

Member 2022/04 – present

Cancer Control Program

The Ohio State University Comprehensive Cancer Center – James,

Columbus, OH

Member 2016/11 – 2022/03

Population Science Program

 University of Florida Health Cancer Center (UFHCC),

Gainesville, FL

Member 2014/04 – 2016/10

Cancer Center Support Grant (CCSG) Population Science Program

Roswell Park Cancer Institute

Buffalo, NY

**Professional Memberships and Activities**

# Professional Membership

International Society for Pharmacoepidemiology (ISPE), Member 2022 – present

American Society of Preventive Oncology (ASPO), Member 2021 – present

AACR Molecular Epidemiology Working Group (MEG), Member 2014 – present

American Association for Cancer Research (AACR), Member 2014 – present

American Society of Nutrition (ASN), Member 2010 – present

**Editorial Board Appointments**

Editorial Board Member, *JNCI: Journal of the National Cancer Institute* 2022/01 – present

Deputy Editor, *JNCI Cancer Spectrum* 2021/05 – 2023/06

Associate Editor, *JNCI Cancer Spectrum*  2017 – 2021/04

**Journal Referee**

BMC Cancer

BMJ Open

British Journal of Cancer

Cancer Causes & Control

Cancer Epidemiology, Biomarkers, and Prevention

Cancer Medicine

Carcinogenesis

European Journal of Nutrition

Free Radical Research

International Journal of Cancer

International Journal of Molecular Sciences

JAMA Network Open

JCO Clinical Cancer Informatics

Journal of Nutrition

Journal of National Cancer Institute

Journal of Thoracic Oncology

Scientific Reports - Nature

Tobacco Control

**Committee Assignments and Administrative Services**

***The Ohio State University***

Member 2024 spring – present

Department of Internal Medicine Promotion and Tenure Committee

College of Medicine

Ohio State University

Reviewer 4/1/2024

Pelotonia Fellowship Program,

Ohio State University Comprehensive Cancer Center (OSUCCC) – James

Member 2023 spring – present

The Clinical Scientific Review Committee (CSRC) at the OSUCCC – James

Co-Chair 2023 spring – present

Molecular Epidemiology Working Group

Cancer Control Program at the OSUCCC – James

***University of Florida***

Co-Chair 2021 – 2022

UFHCC Cancer Control & Population Sciences (CCPS) Program Faculty Recruitment Committee

Member 2021 – 2022

CTSI TL1 Predoctoral Training Program Advisory Committee

Member 2020 – 2022

College of Public Health and Health Professions Faculty Counsel

Chair 2020 – 2022

Epidemiology Faculty Recruitment Committee

Member 2018 – 2019

Epidemiology Chair Search Committee

Member 2018 – 2019

Epidemiology Seminar Committee

Member 2018 – 2019

Epidemiology Admission Committee

**Extramural appointment**

Study Section Member/Reviewer 2/9/2024

National Cancer Institute Special Emphasis Panel ZCA1 TCRB-V (C1), TEP-5: SBIR Contract Review

Program Committee 2023

The 6th International Molecular Pathological Epidemiology (MPE) Meeting: 10-Year Anniversary Summit, Buffalo, NY, USA. May 4 - 5, 2023

Associate Member 2015 – present

Women’s Health Initiative

Adjunct Reviewer 2015 – present

Women’s Health Initiative Publications and Presentations Committee

**Educational Activities**

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| Teaching | ***University of Florida***Instructor, *Measurement in Epidemiology and Outcome Research* (PHC 6711), 2018 Fall – 2021 Fall Instructor, *Principles of Epidemiology in Public Health* (PHC 6001), 2017 Fall***Roswell Park Cancer Institute­–University at Buffalo, SUNY, graduate program***Lecturer, *Cancer Control & Prevention* (PTR 500), 2013–2014 – Topics: Lung cancer epidemiology; colorectal cancer epidemiology; head and neck cancer epidemiology Lecturer, *Cancer Epidemiology* (RPN 525), 2013–2015 – Topic: Nutritional Epidemiology |
| **Students and Fellows Supervised: Ohio State University**

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| **Role** | **Student** | **Major** | **Complete Date** |
| Member, PhD | Nistha Shrestha | Outcomes and Translational Sciences, College of Pharmacy |  |
| Research Mentor | Ben Brockback | OSUCCC Summer Research Program  | 2024/07 |
| MPH ILE project reader | Cuthbert Mahenge | MPH, Epidemiology | 2024/05 |
| Research Mentor | Brian Kim | OSUCCC Summer Research Program  | 2023/07 |
| Research Mentor | Carollyn Ferderber | OSUCCC Summer Research Program  | 2022/07 |

**Graduate Committees: *University of Florida***

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| **Role** | **Student** | **Major** | **Complete Date** |
| Chair, Ph.D | Kevin Bitsie | Epidemiology |  |
| Chair, Ph.D | Mmadili Ilozumba | Epidemiology | 2022/08 |
| Chair, PD.D | Rebecca Austin-Datta | Epidemiology | (Ended 2022/04) |
| Member, Ph.D | Livingstone Aduse-Poku | Epidemiology | (Ended 2023/04) |
| Member, Ph.D | Carmen Smotherman | Epidemiology | (Ended 2022/04) |
| Member, Ph.D | Erta Cenko | Epidemiology | 2023/07 |
| Member, Ph.D | Kai Wang | Epidemiology | 2018/12 |
| External member, Ph.D | Runzhi Zhang | Biostatistics | 2023/05 |
| Chair, Master's | Shalini Nair | Public Health | 2021/05 |
| Chair, Master's | Abigail Carden | Public Health | 2022/05 |
| Chair, Master's | Jia Qi | Epidemiology | 2019/05 |
| Chair, Master's | Adam Howard | Public Health | 2017/12 |

**Students and Fellows Supervised (non-thesis): *University of Florida***

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| **Role** | **Student** | **Major** | **Complete Date** |
| Academic Advisor | Carolin Hoeflich | PhD, Epidemiology | (Ended 2022/04) |
| Summer Research Advisor | Caretia Washington  | Medicine | 2021/08 |
| Research Advisor | Kayla Talebi | BS student | 2021/05 |
| Research Advisor | Joel Divaker | BS student  | 2020/05 |
| Research Advisor | Pamela Sanchez | MPH student | 2019/05 |
| Research Advisor | Curtis Warren | MPH student | 2019/05 |
| Research Advisor | Christina Delahoz | BS student | 2019/05 |
| Research Advisor | Harris Kalim | BS student | 2019/05 |

**Peer mentoring (NCI R25 TREC)**

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| **Role** | **Peer mentee** | **Institute** | **Date** |
| Peer mentor | En Cheng | Albert Einstein College of Medicine |  2024 |
| Peer mentor | Pat Kung | Washington University at St. Louis  |  2022 |
| Peer mentor | Qi Chen | University of Kansas |  2020 |

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**Honors and Awards**

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| Rising Star Award 2022 Cancer Control and Population SciencesUFHCC Inaugural fellowship cohort 2017NCI Transdisciplinary Research on Energetics and Cancer (TREC) training workshop (NIH/NCI R25CA203650, PI: Melinda Irwin), Westbrook, CT  |
| Travel Award 2012Mary Frances Picciano Dietary Supplement Research Practicum. National Institutes of Health.Bethesda, MD  |
| Finalist. 2011 Student Poster Competition, Experimental Biology. Washington DC  |
| AACR Scholar-in-Training Travel Award. 2010The 9th Annual AACR International Conference on Frontiers in Cancer Prevention Research. Philadelphia, PA |
| Foreign Study Scholarship. 2006-2007 Ministry of Education, Taiwan |
| Young Distinguish Scholar. 2006 The 8th International Conference of the International Mesothelioma Interest Group. Chicago, Illinois |
| Distinguished Award 2004 Defense Industry Talents Cultivation System Project, Ministry of Defense |
| Best Poster Award in 12th World Conference on Tobacco or Health. 2003Helsinki, Finland |
| Distinguished Research Staff in Division of Health Policy Research, NHRI 2002 |

**Grants and Contract Awards**

**CURRENT**

R37CA248371 Cheng (PI) 2/01/2021 – 1/31/2028

NIH/NCI

*Energy balance, mTOR pathway signaling, and breast cancer prognosis*

This is a Method to Extend Research in Time (MERIT) Award converted from a R01. The project will examine the association of mTOR pathway protein expression in tumor tissue with breast cancer outcomes, including interrelationships with modifiable factors of energy balance, including body size, physical activity, and metformin use.

(No number) Quiroga (PI) 3/1/2024 – 2/28/2025

OSUCCC 2023 Breast Cancer Translational Research Program Team Science Pilot Grant

*Body composition, lymphovenous bypass, and lymphedema incidence in patients diagnosed with localized breast cancer*

The study aims to determine the association between pre-operative body composition and incidence of subsequent arm lymphedema development in patients who receive axillary lymph node dissection (ALND) for treatment of localized breast cancer.

Role: Co-I (no effort)

**COMPLETED**

K07 CA201334 Cheng (PI) 07/01/2016 – 06/30/2021

NIH/NCI

*mTOR Pathway in Breast Cancer Subtypes by Race: A Molecular Pathological Study*

We sought to better understand the role of the mTOR pathway in the association between obesity and breast cancer subtypes using molecular pathological epidemiologic approach. The PI also received training in molecular pathology, breast cancer etiology, and obesity in this mentored Career Development Award.

CTSI Precision Medicine Initiative Pilot Grant Cheng (PI) 07/01/2020 – 06/30/2021

NIH/NCATS (UL1TR001427) through University of Florida

*Body composition and high-plex protein expression profiling to inform breast cancer therapy and prognosis: A pilot study in OneFlorida*

This pilot study will provide preliminary data on CT image-based body composition measurements in association with protein expression in breast tumors using NanoString’s Digital Spatial Profiling (DSP) platform in the OneFlorida Clinical Research Consortium.

R03 CA167696 Neuhouser (PI) 01/2013-12/2015

NIH/NCI

*Interaction of Vitamin D & Vitamin A with Lung Cancer Risk in Non-Smoking Females*

The goals of this study were to determine whether vitamin D status is associated with lung cancer risk and whether the association is modified by excess vitamin A exposure in never-smoking, postmenopausal women of the Women’s Health Initiative.

Role: Project leader (prepared and submitted the grant as a PhD student project)

R01 CA120523 Ulrich (PI) 04/2008-01/2013

NIH/NCI

*A Prospective Study of Colorectal Cancer: One-Carbon Metabolism and Inflammation*

The goal of the proposed study was to evaluate the role of genetic variability and biomarkers in two specific pathways - inflammation and folate-mediated one-carbon metabolism - in colorectal cancer etiology within the Women’s Health Initiative.

Role: Pre-doctoral Research Associate

**Publications**

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| Peer-Reviewed Journal Articles (N = 113): |
|  | Senior/principal author(s) = UnderlineSelf = boldFellow = fGraduate Student = gOther = &Post-Doctoral Associate/Fellow = pResident = r |
| 1. Ilozumba MN(g), Yaghjyan L, Datta S, Zhao J, Hong CC, Lunetta KL, Zirpoli G, Bandera EV, Palmer JR, Yao S, Ambrosone CB, **Cheng TD**. mTOR pathway candidate genes and energy intake interaction on breast cancer risk in Black women from the Women's Circle of Health Study. Eur J Nutr. 2023 Sep;62(6):2593-2604. doi: 10.1007/s00394-023-03176-y. Epub 2023 May 20. PMID: 37209192; PMCID: PMC10695182.
2. Kuznia S, Zhu A, Akutsu T, Buring JE, Camargo CA Jr, Cook NR, Chen LJ, **Cheng TD**, Hantunen S, Lee IM, Manson JE, Neale RE, Scragg R, Shadyab AH, Sha S, Sluyter J, Tuomainen TP, Urashima M, Virtanen JK, Voutilainen A, Wactawski-Wende J, Waterhouse M, Brenner H, Schöttker B. Efficacy of vitamin D3 supplementation on cancer mortality: Systematic review and individual patient data meta-analysis of randomised controlled trials. Ageing Res Rev. 2023 Jun;87:101923. doi: 10.1016/j.arr.2023.101923. Epub 2023 Mar 31. PubMed PMID: 37004841; PubMed Central PMCID: PMC10214278.
3. Ilozumba MN(g), Yaghjyan L, Datta S, Zhao J, Hong CC, Lunetta KL, Zirpoli G, Bandera EV, Palmer JR, Yao S, Ambrosone CB, **Cheng TD**. mTOR pathway candidate genes and obesity interaction on breast cancer risk in black women from the Women's Circle of Health Study. Cancer Causes Control. 2023 May;34(5):431-447. doi: 10.1007/s10552-022-01657-9. Epub 2023 Feb 15. PubMed PMID: 36790512.
4. Ilozumba MN(g), Yaghjyan L, Datta S, Zhao J, Gong Z, Hong CC, Lunetta KL, Zirpoli G, Bandera EV, Palmer JR, Yao S, Ambrosone CB, **Cheng TD.** mTOR pathway candidate genes and physical activity interaction on breast cancer risk in black women from the women's circle of health study. Breast Cancer Res Treat. 2023 May;199(1):137-146. doi: 10.1007/s10549-023-06902-6. Epub 2023 Mar 8. PubMed PMID: 36882608.
5. Austin-Datta, R.J.(g), Chaudhuri, P.V., **Cheng, TY.D.**, Klarenberg, G., Striley, C.W., & Cottler, L.B. (2022). Electronic Nicotine Delivery Systems (ENDS) use among community members with tobacco-related health problems. J Community Health. 2023 Apr;48(2):338-346. doi: 10.1007/s10900-022-01169-2. Epub 2022 Nov 27. PubMed PMID: 36436165; PubMed Central PMCID: PMC9702843.
6. **Cheng TD**, Ferderber C(g), Kinder B, Wei YJ. Trends in Dietary Vitamin A Intake Among US Adults by Race and Ethnicity, 2003-2018. JAMA. 2023 Mar 28;329(12):1026-1029. doi: 10.1001/jama.2023.0636. PubMed PMID: 36976287; PubMed Central PMCID: PMC10051065.
7. **Cheng TD**, Zhang R(g), Gong Z, Qin B, Cannioto RA, Datta S, Zhang W, Omilian AR, Yao S, Khoury T, Hong CC, Bandera EV, Ambrosone CB. Association Between Recreational Physical Activity and mTOR Signaling Pathway Protein Expression in Breast Tumor Tissue. Cancer Res Commun. 2023 Mar;3(3):395-403. doi: 10.1158/2767-9764.CRC-22-0405. eCollection 2023 Mar. PubMed PMID: 36895729; PubMed Central PMCID: PMC9990525.
8. Zhang D, Spiropoulos KA, Wijayabahu A, Christou DD, Karanth SD, Anton SD, Leeuwenburgh C, Liang M, Wheeler M, Yang D, Livingstone AP, Mankowski RT, **Cheng TD**, Zhang H, Siegel EM, Penedo FJ, Licht JD, Braithwaite D. Low muscle mass is associated with a higher risk of all-cause and cardiovascular disease-specific mortality in cancer survivors. Nutrition. 2023 Mar;107:111934. doi: 10.1016/j.nut.2022.111934. Epub 2022 Dec 10. PubMed PMID: 36563433.
9. Aduse-Poku L(g), Karanth SD, Wheeler M, Yang D, Washington C, Hong YR, Manini TM, Fabregas JC, **Cheng TD**, Braithwaite D. Associations of Total Body Fat Mass and Skeletal Muscle Index with All-Cause and Cancer-Specific Mortality in Cancer Survivors. Cancers (Basel). 2023 Feb 8;15(4). doi: 10.3390/cancers15041081. PubMed PMID: 36831420; PubMed Central PMCID: PMC9953880.
10. Sun Y, Fowke JH, Liang X, Mozhui K, Sen S, Bao W, Liu B, Snetselaar LG, Wallace RB, Shadyab AH, Saquib N, **Cheng T-YD**, Johnson KC. Changes in Dietary Intake of Methionine, Folate/Folic Acid and Vitamin B12 and Survival in Postmenopausal Women with Breast Cancer: A Prospective Cohort Study. Nutrients. 2022; 14(22):4747. https://doi.org/10.3390/nu14224747
11. Aduse-Poku L(g), Gopireddy DR, Hernandez M, Lall C, Divaker J, Falzarano SM, Masood S, Datta S, Zhang W, Jo A, Bian J, **Cheng TD**. Intraindividual Reliability of Opportunistic Computed Tomography-Assessed Adiposity and Skeletal Muscle among Breast Cancer Patients. JNCI Cancer Spectr. 2022 Oct 12;6(6):pkac068. doi: 10.1093/jncics/pkac068. Epub ahead of print. PMID: 36222575; PMCID: PMC9623424.
12. Wei YJ, Chen C, **Cheng TD**, Schmidt SO, Fillingim RB, Winterstein AG. Association of injury after prescription opioid initiation with risk for opioid-related adverse events among older Medicare beneficiaries in the United States: A nested case-control study. PLoS Med. 2022 Sep 22;19(9):e1004101. doi: 10.1371/journal.pmed.1004101. PMID: 36136971; PMCID: PMC9498946.
13. Llanos AAM, Aremu JB, **Cheng TD**, Chen W, Chekmareva MA, Cespedes Feliciano EM, Qin B, Lin Y, Omene C, Khoury T, Hong CC, Yao S, Ambrosone CB, Bandera EV, Demissie K. Greater Body Fatness Is Associated With Higher Protein Expression of LEPR in Breast Tumor Tissues: A Cross-Sectional Analysis in the Women's Circle of Health Study. Front Endocrinol (Lausanne). 2022;13:879164. doi: 10.3389/fendo.2022.879164. eCollection 2022. PubMed PMID: 35846306; PubMed Central PMCID: PMC9277012.
14. Ilozumba MN(g), Yao S, Llanos AAM, Omilian AR, Zhang W, Datta S, Hong CC, Davis W, Khoury T, Bandera EV, Higgins M, Ambrosone CB, **Cheng TD**. mTOR pathway gene expression in association with race and clinicopathological characteristics in Black and White breast cancer patients. Discov Oncol. 2022 May 24;13(1):34. doi: 10.1007/s12672-022-00497-y. PubMed PMID: 35608730; PubMed Central PMCID: PMC9130392.
15. Ilozumba MN(g), Shelver WL, Hong CC, Ambrosone CB, **Cheng TD**. Urinary Concentrations of Triclosan, Bisphenol A, and Brominated Flame Retardants and the Association of Triclosan with Demographic Characteristics and Body Fatness among Women with Newly Diagnosed Breast Cancer. *Int J Environ Res Public Health*. 2022 Apr 13;19(8):4681. doi: 10.3390/ijerph19084681. PMID: 35457549; PMCID: PMC9024480.
16. Aduse-Poku L(g), Bian J, Gopireddy DR, Hernandez M, Lall C, Falzarano SM, Masood S, Jo A, **Cheng TD**. Associations of Computed Tomography Image-Assessed Adiposity and Skeletal Muscles with Triple-Negative Breast Cancer. *Cancers (Basel).* 2022 Apr 6;14(7):1846. doi: 10.3390/cancers14071846. PMID: 35406618; PMCID: PMC8997963.
17. **Cheng TD**, Chaughari, P, Bitsie KR(g), Striley CW, Varma DS, Cottler LB. The HealthStreet Cancer Survivor Cohort: a Community Registry for Cancer Research. *Journal of Cancer Survivorship*. 2022 Jan 28. doi: 10.1007/s11764-022-01173-4. [Epub ahead of print] PubMed PMID: 35089522; PubMed Central PMCID: PMC9329490.
18. **Cheng TD**, Ilozumba MN(g), Balavarca Y, Neuhouser ML, Miller JW, Beresford SAA, Zheng Y, Song X, Duggan DJ, Toriola AT, Bailey LB, Green R, Caudill MA, Ulrich CM. Associations between Genetic Variants and Blood Biomarkers of One-carbon Metabolism in Postmenopausal Women from the Women's Health Initiative Observational Study. *J Nutr.* 2022 Apr 1;152(4):1099-1106. doi: 10.1093/jn/nxab444. PubMed PMID: 34967850; PubMed Central PMCID: PMC8971010.
19. Karanth SD, Washington C, **Cheng TD**, Zhou D, Leeuwenburgh C, Braithwaite D, Zhang D. Inflammation in Relation to Sarcopenia and Sarcopenic Obesity among Older Adults Living with Chronic Comorbidities: Results from the National Health and Nutrition Examination Survey 1999-2006. *Nutrients*. 2021 Nov 5;13(11). doi: 10.3390/nu13113957. PubMed PMID: 34836213; PubMed Central PMCID: PMC8621174.
20. **Cheng TD**, Omilian AR, Yao S, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. Body fatness and breast cancer risk in relation to phosphorylated mTOR expression in a sample of predominately Black women. *Breast Cancer Research*. 2021 Jul 30;23(1):77. doi: 10.1186/s13058-021-01458-z. PMID: 34330319 PMCID: PMC8325192.
21. Bitsie KR(g), **Cheng TD** (corresponding author), McCann SE, Zirpoli G, Yao S, Bandera EV, Kolonel LN, Rosenberg L, Olshan AF, Palmer JR, Ambrosone CB. Dietary vitamin A and breast cancer risk in Black women: the African American Breast Cancer Epidemiology and Risk (AMBER) Consortium. *Journal of Nutrition.* 2021 Dec 3;151(12):3725-3737. doi: 10.1093/jn/nxab278. PMID: 34494098. PMCID: PMC8643579. Companion Editorial: Holmes MD, Peng C. Vitamin A: A Potential Intervention for Breast Cancer Racial Disparities. *J Nutr.* 2021 Dec 3;151(12):3602-3603. doi: 10.1093/jn/nxab359. PMID: 34753173.
22. Morra A, Escala-Garcia M, Beesley J, Keeman R, Canisius S, Ahearn TU, Andrulis IL, Anton-Culver H, Arndt V, Auer PL, Augustinsson A, Beane Freeman LE, Becher H, Beckmann MW, Behrens S, Bojesen SE, Bolla MK, Brenner H, Brüning T, Buys SS, Caan B, Campa D, Canzian F, Castelao JE, Chang-Claude J, Chanock SJ, **Cheng TD**, Clarke CL; NBCS Collaborators, Colonna SV, Couch FJ, Cox A, Cross SS, Czene K, Daly MB, Dennis J, Dörk T, Dossus L, Dunning AM, Dwek M, Eccles DM, Ekici AB, Eliassen AH, Eriksson M, Evans DG, Fasching PA, Flyger H, Fritschi L, Gago-Dominguez M, García-Sáenz JA, Giles GG, Grip M, Guénel P, Gündert M, Hahnen E, Haiman CA, Håkansson N, Hall P, Hamann U, Hart SN, Hartikainen JM, Hartmann A, He W, Hooning MJ, Hoppe R, Hopper JL, Howell A, Hunter DJ; ABCTB Investigators; kConFab Investigators, Jager A, Jakubowska A, Janni W, John EM, Jung AY, Kaaks R, Keupers M, Kitahara CM, Koutros S, Kraft P, Kristensen VN, Kurian AW, Lacey JV, Lambrechts D, Le Marchand L, Lindblom A, Linet M, Luben RN, Lubiński J, Lush M, Mannermaa A, Manoochehri M, Margolin S, Martens JWM, Martinez ME, Mavroudis D, Michailidou K, Milne RL, Mulligan AM, Muranen TA, Nevanlinna H, Newman WG, Nielsen SF, Nordestgaard BG, Olshan AF, Olsson H, Orr N, Park-Simon TW, Patel AV, Peissel B, Peterlongo P, Plaseska-Karanfilska D, Prajzendanc K, Prentice R, Presneau N, Rack B, Rennert G, Rennert HS, Rhenius V, Romero A, Roylance R, Ruebner M, Saloustros E, Sawyer EJ, Schmutzler RK, Schneeweiss A, Scott C, Shah M, Smichkoska S, Southey MC, Stone J, Surowy H, Swerdlow AJ, Tamimi RM, Tapper WJ, Teras LR, Terry MB, Tollenaar RAEM, Tomlinson I, Troester MA, Truong T, Vachon CM, Wang Q, Hurson AN, Winqvist R, Wolk A, Ziogas A, Brauch H, García-Closas M, Pharoah PDP, Easton DF, Chenevix-Trench G, Schmidt MK. Association of germline genetic variants with breast cancer-specific survival in patient subgroups defined by clinic-pathological variables related to tumor biology and type of systemic treatment. *Breast Cancer Res.* 2021 Aug 18;23(1):86. doi: 10.1186/s13058-021-01450-7. PMID: 34407845; PMCID: PMC8371820.
23. Xia J, Tu W, Manson JE, Nan H, Shadyab AH, Bea JW, Gower E, Qi L, **Cheng TYD**, Song Y. Combined associations of 25-hydroxyvitamin D and parathyroid hormone with diabetes risk and associated comorbidities among US white and black women. *Nutr Diabetes.* 2021 Sep 16;11(1):29. doi: 10.1038/s41387-021-00171-2. PMID: 34531372; PMCID: PMC8676147.
24. Bea JW, Chen Z, Blew RM, Nicholas JS, Follis S, Bland VL, **Cheng TD**, Ochs-Balcom HM, Wactawski-Wende J, Banack HR, Nueuhouser ML, Laddu D, Stefanik ML, Cauley JA, Caan B, LeBoff MS, Chlebowski RT, Odegaad AO. MRI based validation of abdominal adipose tissue measurements from DXA in postmenopausal women. *J Clin Densitom.* 2022 Apr-Jun;25(2):189-197. doi: 10.1016/j.jocd.2021.07.010. Epub 2021 Jul 29. PubMed PMID: 34404568; PubMed Central PMCID: PMC8799761*.*
25. Pollack J(g), **Cheng T-YD**. Measurement Error in Body Mass Index May Affect Trajectory Modeling. *Am J Public Health.* 2021;111(4):e22-e23. doi: 10.2105/AJPH.2021.306162. PubMed PMID: 33689431; PubMed Central PMCID: PMC7958045. (Letter to the Editor).
26. Luo J, Kroenke CH, Hendryx M, Shadyab AH, Liu N, Chen X, Wang F, Thomas F, Saquib N, Qi L, **Cheng TD**, Arthur R, Wactawski-Wende J. Mediation analysis of racial disparities in triple-negative breast cancer incidence among postmenopausal women. *Breast Cancer Res Treat*. 2021 Mar 7. doi: 10.1007/s10549-021-06158-y. Epub ahead of print. PMID: 33677722.
27. Yao S\*, **Cheng TD**\* (co-first authors), Elkhanany A, Yan L, Omilian A, Abrams SI, Evans S, Hong CC, Qi Q, Davis W, Liu S, Bandera EV, Odunsi K, Takabe K, Khoury T, Ambrosone CB. Breast Tumor Microenvironment in Black Women: A Distinct Signature of CD8+ T Cell Exhaustion. *J Natl Cancer Inst*. 2021 Jan 5;. doi: 10.1093/jnci/djaa215. [Epub ahead of print] PubMed PMID: 33395700.
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 **Manuscripts submitted for publication**1. Bitsie KR, Pearson TA, Kwan ML, Yaghjyan L, Scarton L, Shariff-Marco S, Kushi LH, **Cheng T-YD**. Race and Ethnicity and Self-Reported Racial/Ethnic Discrimination in Breast Cancer Patient Interactions with Providers: the Pathways Study. Under revision. 2. **Cheng T-YD**, Fu DA, Falzarano SM, Zhang R, Datta S, Zhang W, Omilian AR, Aduse-Poku L, Bian J, Irianto J, Asirvatham JR, Campbell-Thompson M. Association of computed tomography scan–assessed body composition with immune and PI3K/AKT pathway proteins in distinct breast cancer tumor components. Submitted for publication. medRxiv. 2024:2024.05.21.24307688. doi:10.1101/2024.05.21.243076883. Mahenge CM, Akasheh RT, Kinder B, Nguyen X, Kalam F, **Cheng T-YD**. High Adiposity and Low Muscle Body Composition in Association with Tumor Protein Expression in Endometrial Cancer. Submitted for publication. 4. Akasheh RT, Ankireddy A, Gabel K, Ezpeleta M, Lin S, Tamatam CM, Reddy SP, Spring B, **Cheng T-YD**, Khan SA, Varady KA, Cienfuegos S, Kalam F. Effect of time-restricted eating on circulating IGF1 and its binding proteins in obesity: An secondary analysis of a randomized-controlled trial. Submitted for publication. 5. Playdon MC, Karra P, Hardikar S, Winn M, Anderson GL, Haaland B, Shadyab AH, Neuhouser ML, Seguin-Fowler RA, Thomson CA, Coday M, Wactawski-Wende J, Marcia S, Zhang X, **Cheng T-YD**, Karanth S, Sun Y, Saquib N, Pichardo MS, Jung SY, Tabung FK, Summers SA, Holland WL, Jalili T, Gunter MJ. Metabolic phenotype and risk of obesity-related cancers in the Women's Health Initiative. Submitted for publication.6. Manouchehri JM, Datta J, Marcho LM, Stover D, Wesolowski R, Sizemore G, Borate U, Ambrosone CB, **Cheng T-YD**, Schnell P, Ramaswamy B, Rubinstein MP, Cherian MA. The role of heparan sulfate in enhancing the chemotherapeutic response in triple-negative breast cancer. Submitted for publication. |

**Published Abstracts and Presentations**

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| ***National and International meetings:*** |
| 1. **Cheng TD**, Mahenge CM, Akasheh RT, Yilmaz SA, Kinder B, Nguyen X, Pietrzak M, Presley CJ, Shields PG. CT-assessed Body Composition and Tumor Immunologic Characteristics in Patients with Non-small-cell Lung Cancer. *AACR Annual Meeting. April 5-10, 2024. San Diego.* Cancer Res 15 March 2024; 84 (6\_Supplement): 3405. <https://doi.org/10.1158/1538-7445.AM2024-3405> (poster presentation)
2. Wei YJ, Winterstein AG, Schmidt S, Fillingim RB, Daniels M, DeKosky ST, Kinder B, **Cheng T-YD**. Clinical outcomes of discontinuing long-term opioid therapy among older cancer survivors in nursing homes. *AACR Annual Meeting. April 5-10, 2024. San Diego.* Cancer Res 15 March 2024; 84 (6\_Supplement): 2249. <https://doi.org/10.1158/1538-7445.AM2024-2249> (poster presentation)
3. **Cheng T-YD**, Kinder B, Akasheh RT, Mahenge CM, Presley CJ, Shields PG, Nguyen X, Shendre A, Li Z, Li L. Body weight trajectory among patients with non-small-cell lung cancer receiving immune checkpoint inhibitors. *AACR Annual Meeting. April 5-10, 2024. San Diego.* Cancer Res 15 March 2024; 84 (6\_Supplement): 3404. <https://doi.org/10.1158/1538-7445.AM2024-3404> (poster presentation)
4. Akasheh RT, Khoury T, Yao S, Omilian A, Hong C-C, Bandera EV, Qin B, Zeinomar N, Ambrosone C, **Cheng T-YD**. Stromal tumor-infiltrating lymphocytes in association with body size and composition among Black and White women with breast cancer. *AACR Annual Meeting. April 5-10, 2024. San Diego.* Cancer Res 15 March 2024; 84 (6\_Supplement): 3437. <https://doi.org/10.1158/1538-7445.AM2024-3437> (poster presentation)
5. **Cheng TD**, Mahenge CM, Akasheh RT, Yilmaz SA, Kinder B, Nguyen X, Pietrzak M, Presley CJ, Shields PG. CT-assessed Body Composition and Tumor Immunologic Characteristics in Patients with Non-small-cell Lung Cancer. *ASPO 2024 Annual Conference, March 17-19, 2024, Chicago.* (poster presentation)
6. **Cheng TD**, Fu D, Falzarano SM, Zhang R(g), Datta S, Zhang W, Omilian AR, Aduse-Poku L, Bian J, Irianto J, Campbell-Thompson M. Discovery of CT scan-assessed body composition in association with the immune and PI3K-AKT pathways proteins in distinct components of breast cancer. The 6th International Molecular Pathological Epidemiology (MPE) Meeting: 10-Year Anniversary Summit, Buffalo, NY, USA. May 4 - 5, 2023. (poster presentation)
7. Mahenge CM, Kinder B, Nguyen X, **Cheng TD**. High adiposity and low muscle phenotypes in association with tumor protein expression in endometrial cancer. The 6th International Molecular Pathological Epidemiology (MPE) Meeting: 10-Year Anniversary Summit, Buffalo, NY, USA. May 4 - 5, 2023. (poster presentation)
8. Karra P, Winn M, Anderson G, Haaland B, Shadyab AH, Neuhouser M, Seguin-Fowler R, Thomson CA, Coday M, Wactawski-Wende J, Stefanick ML, Zhang X, **Cheng T-YD**, Karanth S, Sun Y, Saquib N, Pichado M, Jung SY, Tabung F, Summers SA, Holland WL, Jalili T, Gunter M, Hardikar S, Playdon MC. Metabolic obesity phenotype and risk of obesity-related cancers in the women's health initiative. *AACR Annual Meeting, April 14-19, 2023, Orlando.* Cancer Research. 2023;83(7\_Supplement):6454-6454. doi:10.1158/1538-7445.Am2023-6454 (poster presentation)
9. Aduse-Poku L, Karanth SD, Wheeler M, Yang D, Washington C, Fabregas J, **Cheng T-YD**, Braithwaite D. Associations of total body fat mass and skeletal muscle index with all-cause and cancer-specific mortality in cancer survivors. *AACR Annual Meeting, April 14-19, 2023, Orlando.* Cancer Research. 2023;83(7\_Supplement):3036-3036. doi:10.1158/1538-7445.Am2023-3036 (poster presentation)
10. Aduse-Poku L, Karanth SD, Wheeler M, Yang D, Washington C, Fabregas J, Cheng T-YD, Braithwaite D. Associations of total body fat mass and skeletal muscle index with all-cause and cancer-specific mortality in cancer survivors. *ASPO’s 47th Annual Meeting. March 12 – 14, 2023. San Diego, CA.* (poster presentation)
11. Ilozumba MN(g), Yao S, Omilian AR, Zhang W, Datta S, Hong CC, Khoury T, Bandera EV, Higgins M, Ambrosone CB, **Cheng TD**. Weight changes between one year before and following breast cancer diagnosis in relation to mTOR protein expression in tumor tissues in the Women’s Circle of Health Study. *AACR Annual Meeting*, April 8 - 13, 2022, New Orleans, LA. Cancer Res 15 June 2022; 82 (12\_Supplement): 714. <https://doi.org/10.1158/1538-7445.AM2022-714> (poster presentation)
12. Ilozumba MN(g), Yao S, Llanos AA, Omilian A, Zhang W, Datta S, Hong C-C, Davis W, Khoury T, Ambrosone CB, **Cheng T-YD**. Breast Tumor Gene Expression in the mTOR pathway and Clinicopathological Characteristics in Black and White breast cancer patients. *15th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; September 16-19, 2022; Philadelphia, PA.* Cancer Epidemiol Biomarkers Prev 1 January 2023; 32 (1\_Supplement): IA011. <https://doi.org/10.1158/1538-7755.DISP22-IA011> (podium presentation)
13. Aduse-Poku L(g), Bian J, Gopireddy DR, Hernandez M, Lall C, Falzarano SM, Masood S, Jo A, **Cheng TD**. Changes and intra-individual reliability in computed tomography image-assessed adiposity and skeletal muscles areas after breast cancer surgery. *AACR Annual Meeting*, April 8 - 13, 2022, New Orleans, LA. Cancer Res 15 June 2022; 82 (12\_Supplement): 3219. <https://doi.org/10.1158/1538-7445.AM2022-3219> (poster presentation)
14. **Cheng T-YD**, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. Body fatness and mTOR pathway activation of breast cancer in the Women’s Circle of Health Study. *NCI Division of Cancer Control & Population Sciences. New Grantee Workshop.* November 17-18, 2021. Virtual.
15. **Cheng T-YD**, Zhang R(g), Gong Z, Qin B, Datta S, Ilozumba M, Zhang W, Omilian A, Cannioto R, Yao S, Khoury T, Hong C-C, Bandera EV, Ambrosone CB. Associations between recreational physical activity and mTOR pathway protein expression in breast cancer. *Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer Conference*, July 8-10, 2021, Virtual. (**Live lightning poster presentation)**.
16. Yao S, Sheng H, Kwan ML, Zhu Q, Roh JM, D’addario L, Ergas IJ, Schultz E, **Cheng** **T-YD**, Davis W, Thomsen C, Gomez SL, Ambrosone CB, Kushi LH. Clinically sufficient vitamin D levels at breast cancer diagnosis and survival outcomes in a prospective cohort of 3,995 patients after a median follow-up of 10 years. *2021 ASCO Annual Meeting*, June 4- 8, 2021, Virtual.
17. Ilozumba MN(g), Yao S, Llanos AA, Omilian A, Zhang W, Datta S, Hong C-C, Davis W, Khoury T, Ambrosone CB, **Cheng T-YD**. Breast Tumor Gene Expression in the mTOR pathway and Clinicopathological Characteristics in Black women and White women. *AACR Virtual Annual Meeting 2021*, April 10-15 and May 17-21, 2021. Virtual. Abstract published in Cancer Research. 2021;81(13\_Suppl):Abstract nr 869. **DOI:** 10.1158/1538-7445.AM2021-869.
18. Bradley J, **Cheng T-YD**, Omer S, Yaghjyan L, Vega RM, Lockney N, Liang X, Spiguel L, Louis D, Mendenhall N, Okunieff P. Heart to Heart: Excess Cardiac Risk Between Photon and Proton Radiation in the Treatment of Breast Cancer. *ASTRO (American Society for Radiation Oncology)’s 62nd Annual Meeting*. Miami Beach, FL, October 25 – 28, 2020.
19. Ilozumba MN(g), **Cheng T-YD**, Dabo B, Zgibor J, Schwartz S, Chornokur G, Park J. Impact of obesity related genes in the progression of prostate cancer in African American men. *43rd Annual American Society of Preventive Oncology (ASPO) Conference*. Tampa FL, Mar 10 - 12, 2019.
20. Wang K(g), Chen X, **Cheng T-YD**, Qiu P, Bird VY, Prosperi M. Association of Rate in Age-Related Testosterone Change with Serum PSA in Prostate Cancer-Free Men with Initial-PSA <4 ng/mL. *AACR Annual Meeting 2019*. Atlanta GA, March 29 - Apr 3, 2019.
21. Xia J, Tu W, Manson JE, Nan H, Shadyab, AH, Bae JW, **Cheng T-YD**, Hou L, Song Y. Independent and Joint Associations of 25-hydroxyvitamin D and Parathyroid Hormone Levels with Cardiometabolic Biomarkers among American White and Black Postmenopausal Women. *American Heart Association (AHA) EPI|LIFESTYLE 2019 Scientific Sessions*. Houston, TX, March 5 – 8, 2019.
22. Elkhanany A, Takabe K, Khoury T, Omilian A, **Cheng T-YD**, Katsuta E, Davis W, Yan L, Hong CC, Bandera E, Ambrosone C, Yao S. Gene expression profiling reveals population difference in breast cancer immune microenvironment. *The 41th Annual San Antonio Breast Cancer Symposium*, San Antonio TX, December 4 - 8, 2018.
23. Albain KS, Darke AK, Mack PC, Redman MW, **Cheng T-YD**, Moon J, Holland WS, Borczuk AC, Chay CH, Morris PT, Vallieres E, Kratzke R, Molina JR, Kolesar JM, Chen Y, MacRae RM, Matsumoto S, Reid ME, Zirpoli GR, Davis W, Ondracek RP, Bshara W, Omilian A, Gandara DR, Kelly K, Santella RM, Ambrosone CB. Case-series study in ever- and never-smoking females and males with non-small cell lung cancer: exposures, tumor factors, biology and survival (SWOG S0424, North American Intergroup). *IASLC 19th World Conference on Lung Cancer.* Toronto, Canada. September 23 – 26, 2018.
24. **Cheng T-YD**, Khoury T, Omilian AR, Sanchez PV, Polk LZ, Bshara W, Yao S, Ondracek RP, Davis W, Liu, S, Bandera EV, Ambrosone CB. mTOR pathway activities, breast cancer subtypes, and body size in American women of African and European ancestry. *The 4th International Molecular Pathological Epidemiology (MPE) Meeting*. Boston, MA, 5/31 - 6/1, 2018.
25. **Cheng T-YD**, Yao S, Omilian AR, Opyrchal M, Ondracek RP, Hong CC, Bandera EV, Davis W, Higgins MJ, Ambrosone CB, Khoury T. Differences in stromal tumor-infiltrating lymphocytes in breast cancer from women of African and European ancestry after accounting for tumor characteristics. *AACR Annual Meeting 2018*; Chicago, Il, April 14-18, 2018. Abstract published in: Cancer Res 2018;78(13 Suppl):Abstract nr 3242. DOI: 10.1158/1538-7445.AM2018-3242.
26. **Cheng T-YD**, Ondracek RP, Yao S, Bshara W, Khoury T, Zirpoli GR, Davis W, Bandera EV, Higgins M, Ambrosone CB. Breast tumor FOXA1 protein expression and reproductive characteristics among African-American and European-American women. *AACR Annual Meeting 2017*; Washington, D.C., April 1-5, 2017. (**oral presentation**)
27. **Cheng T-YD**, Darke AK, Redman MW, Zirpoli GR, Davis W, Ondracek RP, Bshara W, Kratzke R, Molina JR, Kolesar JM, Chen Y, MacRae RM, Moon J, Mack P, Gandara DR, Kelly K, Santella RM, Albain KS, Ambrosone CB. Steroid hormone receptor protein expression by gender and smoking in non-Small cell lung cancer: SWOG S0424. *2017 United States & Canadian Academy of Pathology Annual Meeting*; San Antonio, TX, March 4-10, 2017.
28. Williams LA, Olshan AF, Hong, CC, Bandera EV, Rosenberg L, **Cheng T-YD**, Lunetta K, Kolonel LN, Palmer, JR, Ambrosone CB, Troester MA. Alcohol intake and breast cancer risk in African American women from the AMBER Consortium. *Society for Epidemiological Research 2016 Meeting*; Miami, FL, June 21-24, 2016.
29. **Cheng T-YD**, Tang L, Yao S, Smith GJ, Bensen JT, Fontham ETH, Attwood KM, Pop EA, Li T, Stocking JJ, Azabdaftari G, Ambrosone CB, Mohler JL. Associations of polymorphisms in key androgen axis genes with clinical aggressiveness and tumor growth rate in the North-Carolina-Louisiana Prostate Cancer Project (PCaP). *The Third International Molecular Pathological Epidemiology (MPE) Meeting*; Boston, MA, May 12-13, 2016.
30. **Cheng T-YD**, McCann SE, Zirpoli G, Yao S, Bandera EV, Kolonel LN, Rosenberg L, Olshan AF, Palmer JR, Ambrosone CB. Dietary vitamin A intake and breast cancer risk among African American women: The AMBER Consortium. *The* *106th* *AACR Annual Meeting*; Philadelphia, PA, April 18-22, 2015.
31. **Cheng T-YD**, Shankar J, Zirpoli G, Yao S, Roberts M, Hong CC, Bandera EV, Ambrosone CB. Interaction between genetic variants in mTOR and body size on breast cancer risk in African-American and European-American women. *The* *105th* *AACR Annual Meeting*; San Diego, CA, April 5-9, 2014. (Printed in *Cancer Research* 2014;74(19 Suppl):Abstract nr 3280. doi:10.1158/1538-7445.AM2014-3280)
32. **Cheng T-YD**, Makar KW, Neuhouser ML, Miller JW, Song, X, Brown EC, Beresford SAA, Zheng, Y, Duggan DJ, Poole, EM, Habermann N, Toth, R, Bailey LB, Caudill MA, Ulrich CM. Interaction between genetic variants in one-carbon metabolism and folate biomarkers on colorectal cancer risk: The Women’s Health Initiative observational cohort. *The* *105th* *AACR Annual Meeting*; San Diego, CA, April 5-9, 2014. (Printed in *Cancer Research* 2014;74(19 Suppl):Abstract nr 2197. doi:10.1158/1538-7445.AM2014-2197)
33. Yao S, Hong CC, Kwan ML, **Cheng T-YD**, Tang L, McCann SE, Ergas IJ, Roh JM, Davis W, Ambrosone CB, Kushi LH. The association of serum 25-hydroxyvitamin D with breast cancer characteristics and prognosis in the Pathways Study. *The* *105th* *AACR Annual Meeting*; San Diego, CA, April 5-9, 2014. (Printed in *Cancer Research* 2014 74:4126; doi:10.1158/1538-7445.AM2014-4126)
34. Habermann N, Brown EC, Toth R, Scherer D, Buck K, **Cheng T-YD**, Makar KW, Neuhouser ML, Zheng Y, Duggan DJ, Beresford SAA, Wener M, Ochs-Balcom H, Toriola A, Ulrich CM. Inflammation- and angiogenesis- related genes: Interaction with NSAID use, and serum inflammatory markers on colorectal cancer risk within the Women's Health Initiative. *The 105th AACR Annual Meeting*; San Diego, CA, April 5-9, 2014. (Printed in *Cancer Research* 2014;74(19 Suppl):Abstract nr 2186. doi:10.1158/1538-7445.AM2014-2186)
35. **Cheng T-YD**, LaCroix AZ, Beresford SAA, Goodman GE, Thornquist MD, Zheng Y, Chlebowski RT, Ho GYF, Neuhouser ML. Vitamin D intake and lung cancer risk in the Women's Health Initiative (WHI). AACR 104th Annual Meeting 2013; Apr 6-10, 2013; Washington, DC. Cancer Research. 2013;73(8\_Supplement):2572-2572. doi:10.1158/1538-7445.Am2013-2572
36. **Cheng T-YD**, Makar KW, Brown EC, Neuhouser ML, Miller JW, Beresford SAA, Zheng Y, Duggan DJ, Poole EM, Habermann N, Buck K, Ulrich CM. One-carbon metabolism pathway genes and colorectal cancer risk in the Women’s Health Initiative (WHI). *Post-GWAS Horizons in Molecular Epidemiology: Digging Deeper into the Environment*,Hollywood, FL, November 11-14, 2012.
37. Paskow MJ, Abbenhardt C, MillerJW, SongX, BrownEC, **ChengT-YD**, WenerMH, ZhengY, ToriolaAT , NeuhouserML, BeresfordSAA, MakarK, BaileyLB, ManevalDR, GreenR, MansonJ, Van HornL, UlrichCM. Relationships between biomarkers of diet, one-carbon metabolism, and inflammation within the Women’s Health Initiative Observational Cohort. *Post-GWAS Horizons in Molecular Epidemiology: Digging Deeper into the Environment*,Hollywood, FL, November 11-14, 2012.
38. Romano M, Rustagi AS, **Cheng T-YD**, Kernic MA. Gestational Diabetes Among Overweight and Obese Women in Washington State: How does weight change between and during pregnancies impact risk? *The 25th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*; Minneapolis, MN, June 25-27, 2012.
39. Miller JW, Beresford SAA, Neuhouser ML, **Cheng T-YD**, Song X, Brown EC, Zheng Y, Wener MH, Green R, Ulrich CM. Vitamin B6 status and risk of incident colorectal cancer in the Women’s Health Initiative Observational Cohort. *2012 FASEB Science Research Conference: Folic Acid, Vitamin B12 and One-Carbon Metabolism*;Crete, Greece, July 22-27, 2012.
40. Toriola AT, Gunter M, Maneval DR, Beresford SAA, Ulrich CM, **Cheng T-YD**, Neuhouser ML, Wener M, Zheng Y, Brown EC, Miller JW, Song X, Bailey LB. Biomarkers of inflammation predict colorectal cancer risk among women: Results from the Women's Health Initiative Observational Study (WHI-OS) cohort. *AACR International Conference on Frontiers in Cancer Prevention Research,* Boston, MA, Oct 22-25, 2011. [Abstract collected in Cancer Prev Res 2011;4(10 Suppl):PR-05].
41. **Cheng T-YD**, Neuhouser ML, Zheng Y, Ray RM, Miller JW, Song X, Bailey LB, Maneval DR, Beresford SAA, Ulrich CM. One-carbon metabolism-related nutrients and colorectal cancer risk in the Women’s Health Initiative Observational Cohort Study: Are the associations modified by folic-acid fortification period and alcohol intake? *Experimental Biology*, Washington, DC, April 9–13, 2011 (**oral presentation**).
42. Zschaebitz S, **Cheng T-YD**, Neuhouser ML, Zheng Y, Ray RM, Miller JW, Song X, Bailey LB, Maneval DR, Beresford SAA, Ulrich CM. B vitamin intake and incidence of colorectal cancer by tumor site and stage: Results from the Women’s Health Initiative cohort. *The 102nd Annual Meeting of the American Association of Cancer Research*, Orlando, FL, April 2–6, 2011.
43. Miller, JW, Beresford SAA, Brown EC, **Cheng T-YD**, Green R, Neuhouser ML, Rodriguez B, Zheng Y, Ulrich CM. Homocysteine, Cysteine and Risk of Incident Colorectal Cancer in the Women’s Health Initiative Observational Cohort. *Experimental Biology*, Washington, DC, April 9–13, 2011.
44. **Cheng T-YD**, Barnett MJ, Kristal A, Ambrosone CB, King IB, Thornquist M, Goodman GE, Neuhouser ML. Polymorphisms in oxidative stress regulatory enzymes modify the association of serum α- and γ-tocopherols with aggressive prostate cancer risk in the Carotene and Retinol Efficacy Trial (CARET). *9th Annual AACR International Conference on Frontiers in Cancer Prevention Research*, Philadelphia, PA, November 7-10, 2010.
45. **Cheng T-YD**, Romano M, Rustagi AS. Inter-pregnancy weight gain and gestational diabetes in overweight & obese women. *17th Annual Joint Conference on Health*, Yakima, WA, October 11-12, 2010.
46. Miller JW, Beresford SA, Brown EC, **Cheng T-YD**, Neuhouser ML, Zheng Y, Ulrich CM. Relationship between homocysteine, cysteine, and risk of incident colorectal cancer in the Women’s Health Initiative Observational Cohort. *FASEB One-carbon metabolism conference*. Carefree, Arizona, August 1–6, 2010.
47. Schulze KJ, Cui HJ, **Cheng T-YD**, Klemm, R, Christian P, Labrique AB, Wu L, Rashid M, Ali H, West KP. Maternal, not newborn, vitamin A (VA) supplementation improved VA status of 3 mo old infants. *19th International Congress of Nutrition*, Bangkok, Thailand, October 4-9, 2009. [Abstract collected in Annals of Nutrition and Metabolism, 55 (Supp1. 1):117, 2009].
48. **Cheng T-YD**, Schulze KJ, Arguello MA, Cui H, Khatry SK, Christian P, West KP. The association between oxidative stress and pregnancy-related symptoms of illness among vitamin A-deficient women. *Experimental Biology*, New Orleans, LA, April 18–22, 2009 (**oral presentation**).
49. **Cheng TY**, Wen CP. Quantifying the risks of mesothelioma and lung cancer from environmental crocidolite exposure in Da-yao, China. *The 8th International Conference of the International Mesothelioma Interest Group*. Chicago, Illinois. October 19-22, 2006 (**oral presentation; received Young Distinguish Scholar**).
50. Wen CP, **Cheng TY**, Chan HT, Hsu HL, Tsai SP, Yu S. A paradigm shift in managing smoking patients: Developing “Glucose Equivalent” and “Blood Pressure Equivalent” concept resulting from exploring their mortality relationships. *The 13th World Conference on Tobacco or Health*. Washington, DC. July 12-15, 2006.
51. **Cheng TY**, Wen CP, and Chan HT. The extent of unreliability of smoking data on adolescents obtained from personal interview. *The 13th World Conference on Tobacco or Health*. Washington, DC. July 12-15, 2006.
52. **Cheng TY**, Chung WSI, Wen CP, Tsai SP. The gender gap in life expectancy attributable to smoking. *The 13th World Conference on Tobacco or Health*. Washington, DC. July 12-15, 2006.
53. Wen CP, Eriksen MP, Chiang P, Chung WSI, **Cheng TY**, Tsai SP, Yu S. A Rapid Increase in Oral Cancer Among Men in Taiwan: An Urgent and Preventable Epidemic. *UICC World Cancer Congress 2006*, Washington, DC. July 8-12, 2006.
54. Lin CL, Wu HN, Wen CP, **Cheng TY**. The effects of maternal and paternal smoking on pregnancy outcomes in Taiwan. *The 7th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Gyeongju, Korea, September 15-18, 2004.
55. Peterson R, Wen CP, **Cheng TY**. Industry-directed cigarette smuggling within the newly opened market of Taiwan: 1987-1995. *The 7th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Gyeongju, Korea, September 15-18, 2004 (**oral presentation**).
56. Hsu HL, **Cheng TY**, Wen CP. Relationship between smoking and diabetes: Experience from following up a large cohort in Taiwan. *The 7th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Gyeongju, Korea, September 15-18, 2004.
57. **Cheng TY**, Wen CP, Peterson R. The relationship between tobacco consumption and the rapid growth of betel quid use in Taiwan. *The 7th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Gyeongju, Korea, September 15-18, 2004.
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59. Peterson R, Wen CP, **Cheng TY**. Covert strategies of the foreign tobacco industry in Taiwan. *The 7th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Gyeongju, Korea, September 15-18, 2004.
60. Wen CP, Tsai SP, Chen CJ, Liaw KM, **Cheng TY**, Tsai MC. Smoking attributable mortality in Taiwan, 1990-2020. *The 12th World Conference on Tobacco or Health*. Helsinki, Finland, August 3-8, 2003.
61. Wen CP, Tsai MC, Tsai SP, **Cheng TY**, Hsu CC. The smoking behavior of smokers in Taiwan. *The 12th World Conference on Tobacco or Health*. Helsinki, Finland, August 3-8, 2003.
62. Wen CP, Tsai SP, Chen CJ, **Cheng TY**. The mortality risks of smokers in Taiwan. *The 12th World Conference on Tobacco or Health. Helsinki*, Finland, August 3-8, 2003 (**Best poster award**).
63. Wen CP, Tsai MC, **Cheng TY**, Hsu CC. Mortality risk of fasting blood sugar in a large cohort in Taiwan with particular emphasis on impaired fasting glucose. *The 5th Hong Kong Diabetes and Cardiovascular Risk Factors: East Meets West Symposium*. October 3-5, 2003.
64. Chen T, Hsu CC, Wen CP, **Cheng TY**. International tobacco advertising on Asia health. *The 130th Annual Meeting of APHA*, Philadelphia, PA. November 9-13, 2002.
65. Lee I, **Cheng TY**, Yang CL. The relationship between workplace smoking restrictions and adult smoking in Taiwan. *The third European Conference on Tobacco or Health*. Warsaw, Poland, June 20-22, 2002.
66. Wen CP, **Cheng TY**, Chen T, Hsu CC, Lin HS. The effect of national tobacco policy on the smoking prevalence of high school students after market liberalization in Taiwan. *The third European Conference on Tobacco or Health*. Warsaw, Poland, June 20-22, 2002.
67. **Cheng TY**, Wen CP, Tsai SP, Chang HY, Hsu **CC.** Smoking and other risk factors on cardiovascular mortality in a large cohort in Taiwan: The additive, interactive, and elimination effects. *The third European Conference on Tobacco or Health*. Warsaw, Poland, June 20-22, 2002.
68. Wen CP, Tsai SP, **Cheng TY**. Mortality risks and life expectancy of smokers and nonsmokers in a large cohort of governmental employees in Taiwan. *6th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Hong Kong, October 26-29, 2001.
69. Chen T, Hsu CC, Wen CP, **Cheng TY**. The impact of international tobacco trade on youth smoking: Taiwan experience. *6th Conference of Asia Pacific Association for Tobacco Control (APACT)*. Hong Kong, October 26-29, 2001.
70. Wen CP, Tsai SP, **Cheng TY**. The life shortening effect of smoking in a large cohort of workers in Taiwan. *9th SCBA International Symposium*. Taipei, Taiwan, 2001.
71. **Cheng TY**, Lo SS, Chu CC, Lee CC. Assessment of occupational exposure to organic substances at municipal solid waste incinerator. *Symposium on Industrial Hygiene and Occupational Health*. Taichung, Taiwan. April 29-30, 2000.
72. **Cheng TY**, Su YC, Chu CC, Hsiao AK, Lee CC. Exposure assessment of volatile organic compounds in the staff of laboratory testing of food and drug–A case study. *Symposium on Industrial Hygiene and Occupational Health. Kaohsiung*, Taiwan. March 19-21, 1999.
73. Kuo CY, **Cheng TY**. Comparison of organic carbon (OC) and elemental carbon (EC) in suspended particles of atmosphere and different emission sources. *ISESH 5th Annual Conference, Chinese Association for Aerosol Research.*Taiwan.1998.

***Intramural meetings:***1. **Cheng TD**, Mahenge CM, Akasheh RT, Yilmaz SA, Kinder B, Nguyen X, Pietrzak M, Presley CJ, Shields PG. CT-assessed Body Composition and Tumor Immunologic Characteristics in Patients with Non-small-cell Lung Cancer. *Pelotonia Institute for Immuno-Oncology (PIIO) Fifth Annual Immuno-Oncology Symposium. December 13 – 14, 2023* (poster presentation)
2. Mahenge CM, Kinder B, Nguyen X, **Cheng TD**. High adiposity and low muscle phenotypes in association with tumor protein expression in endometrial cancer. *OSUCCC 2023 Annual Scientific Meeting, October 5th, 2023* (poster presentation – Finalist, Population Sciences poster competition)
3. Falise AM, Sharpe SA, Chaudhari PV, Arandia MR, Cottler LB, Cheng T-YD, Striley CW. Feasibility of a Community Health Worker Intervention: Women Helping Women Lung Cancer Screening Pilot Study. *UF Health Cancer Center 2021 Virtual Research Symposium*, Dec. 7-8, 2021.
4. Sharpe SA, Falise AM, Chaudhari PV, Arandia MR, Cottler LB, Cheng T-YD, Striley CW. Promoting Screening Awareness through Women Helping Women - A Lung Cancer Screening Study. *UF Health Cancer Center 2021 Virtual Research Symposium*, Dec. 7-8, 2021.
5. Bitsie K(g), **Cheng T-YD**. Disparities in COVID-19 Incidence and Mortality Rates Among Tribal Counties and Neighboring Counties. *34th Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida.* Gainesville, FL. February 11th, 2021. Virtual. Video link: <https://vimeo.com/showcase/8115445/video/510308712>
6. **Cheng T-YD**, Chaudhari PV, Bitsie K(g), Striley CW, Varma DS, Cottler LB. UFHCC Cancer Survivors Recruited from the HealthStreet Community Engagement Program: Similarities and Differences with its Non-Cancer Cohort. *UFHCC 2020 Virtual Research Symposium.* December 8th, 2020.
7. Aduse-Poku, L(g), Gopireddy D, Henanadez M, Lall C, **Cheng T-YD**. Protocol for annotating adipose tissue and skeletal muscle in L3 CT images of breast cancer patients for the assessment of racial difference in body composition*. UFHCC 2020 Virtual Research Symposium.* December 8th, 2020.
8. Ilozumba MN(g), Yao S, Llanos AA, Omilian A, Zhang W, Datta S, Hong C-C, Davis W, Khoury T, Ambrosone CB, **Cheng T-YD**. Breast Tumor Gene Expression in the mTOR pathway and Clinicopathological Characteristics in Black women and White women. *UFHCC 2020 Virtual Research Symposium.* December 8th, 2020.
9. Divaker J(g), Cooke E, **Cheng T-YD**. Comparisons between anthropometric and CT image-based measurements on central obesity: Preliminary Findings. *2020 College of Medicine Research Poster Session. University of Florida.* Gainesville, FL. February 25th, 2020.
10. Illozumba MN(g), Shelver WL, Hong CC, Ambrosone CB, **Cheng T-YD**. Urine Biomarkers of Triclosan, Bisphenol A and Brominated Flame Retardant in Women with Newly Diagnosed Breast Cancer. *32nd Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida.* Gainesville, FL. February 6th, 2020.
11. Talebi K(g), **Cheng T-YD**. Sex differences in polymorphisms related to lung cancer risk – A systematic literature review. *32nd Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida*. Gainesville, FL. April 4, 2019.
12. Delahoz C(g), **Cheng T-YD**. Building cancer survivor cohorts: A literature review on cancer survivorship research. *32nd Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida*. Gainesville, FL. April 4, 2019.
13. Warren C(g), Qi J(g), Kalim HA(g), Cooke EO, **Cheng T-YD**. Descriptive study on breast tumor receptor status and visceral and subcutaneous fat composition. *32nd Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida*. Gainesville, FL. April 4, 2019.
14. Ilozumba MN(g), **Cheng T-YD**, Yaghjyan L. Cadmium exposure and risk of adverse kidney outcome. *32nd Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida.* Gainesville, FL. April 4, 2019.
15. Sanchez P(g), **Cheng T-YD**. Association between metabolic syndrome and breast cancer subtypes among Hispanic population: A Systematic Review. *Gator HealthCare Forum. University of Florida.* Gainesville FL. January 11, 2019.
16. Ilozumba MN(g), **Cheng T-YD**, Neuhouser ML, Miller JW, Marker L, Zheng Y, Song X, Ose J, Ulrich CM. Relationship between Genetic Polymorphisms and Corresponding Blood Biomarkers of One-Carbon Metabolism in Postmenopausal Women: Women’s Health Initiative Observational Study. *UF Health Cancer Center Research Day*. Gainesville, FL. Nov 30, 2018.
17. **Cheng T-YD**, Striley CW, Varma D, Phillips T, Chaudhari PV, Bitsie K, Cottler LB. HealthStreet Cancer Survivor Cohort (HSt-CSC): Framework and Characteristics of Targeted Participants. *UF Health Cancer Center Research Day.* Gainesville, FL. Nov 30, 2018.
18. Omer S(g), **Cheng T-YD**, Yaghjyan L, Okunieff P, Pearson T, Bradley J. Comparative analysis of the risk of adverse cardiac events in breast cancer patients receiving radiotherapy. *Annual PHHP Research Day, College of Public Health & Health Professions, University of Florida*. Gainesville, FL. April 6, 2018.
19. **Cheng T-YD**, Knecht C, Mack J, Striley CW, Cottler LB. Developing breast cancer survivorship research in a rural/micropolitan community setting: opportunities and challenges. *UF Health Cancer Center Research Day.* Gainesville, FL. Nov 16, 2017.

**Invited/Oral Presentations** 1. **Ting-Yuan Cheng.** Presentation. Body composition and proteomics in endometrial cancer. Campus Chemical Instrument Center Mass Spectrometry and Proteomics Core Facility (CCIC-MSP) Summer Workshop, Ohio State University. July 16, 2024.
2. **Ting-Yuan Cheng.** Presentation. Body composition and tumor immune microenvironment on outcomes and racial disparities for lung cancer patients treated with immunotherapy. OSUCCC Thoracic Cancer Research Group. May 3rd, 2024.
3. **Ting-Yuan Cheng.** Presentation. Obesity and Skeletal Muscle in the Era of Immuno-Oncology: Old Wine in a New Bottle. Immuno-oncology Informatics Group (IOIG), Pelatonia Institute for Immuno-Oncology. Ohio State University. February 27, 2024.
4. **Ting-Yuan Cheng.** Presentation. Body Composition, Tumor Immunity Dynamics, and Immunotherapy Response in Triple-Negative Breast Cancer. Breast Cancer Disease Group, Ohio State University Comprehensive Cancer Center. November 9, 2023.
5. **Ting-Yuan Cheng.** Invited talk.MTOR Pathway Signaling: a Mechanistic Link between Energy Imbalance and Breast Cancer. The 6th International Molecular Pathological Epidemiology (MPE) Meeting: 10-Year Anniversary Summit, Buffalo, NY, USA. May 4, 2023.
6. **Ting-Yuan Cheng.** Seminar. Energy balance, mTOR Signaling Pathway, and breast cancer: Using molecular pathological epidemiology approaches. OSUCCC Molecular Cancer Epidemiology Working Group. Sept. 15, 2022. Virtual.
7. **Ting-Yuan Cheng.** Seminar. mTOR Signaling Pathway: A Link between Energy Imbalance and Breast Cancer Etiology and Outcome? Center for Energy Balance in Cancer Prevention and Survivorship, Department of Behavioral Science, the University of Texas MD Anderson Cancer Center. April 21, 2022. Virtual.
8. **Ting-Yuan Cheng.** Seminar. mTOR Signaling Pathway: A Link from Energy Imbalance to Breast Cancer Etiology and Outcome? Cancer Prevention and Population Sciences Program at the UFHCC. January 24, 2022. Virtual.
9. **Ting-Yuan Cheng.** Seminar. Body Fatness and mTOR Pathway Activation in Breast Cancer Etiology and Outcome. Cancer Prevention and Control Program at the Rutgers Cancer Institute at New Jersey. August 12, 2021. Virtual.
10. **Ting-Yuan Cheng.** Seminar. Body Fatness and mTOR Pathway Activation in Breast Cancer Etiology and Outcome. Cancer Control Program, Ohio State University Comprehensive Cancer Center. July 26, 2021. Virtual.
11. **Ting-Yuan Cheng.** Seminar. UF and FSU CTSI Precision Medicine Initiative. Body composition and high-plex protein expression profiling to inform breast cancer therapy and prognosis: A pilot study in OneFlorida. University of Florida. Gainesville FL. June 1, 2021. Virtual.
12. **Ting-Yuan Cheng.** Talk.Body Fatness and mTOR Pathway Activation in Breast Cancer Etiology and Outcome. Pathways Study Data Analysis Meeting. Kaiser Permanente Division of Research, Northern California. May 19, 2021. Virtual.
13. **Ting-Yuan Cheng** (Moderator). Town Hall. Our Community, Our Health (OCOH) Town Hall Meeting: Cancer Survivorship. HealthStreet, University of Florida. Gainesville FL and live at 60+ Clinical and Translational Research Award (CTSA) sites across the U.S. Jan 27, 2020.
14. **Ting-Yuan Cheng.** Seminar. mTOR pathway activation as a mechanistic link between body fatness and breast cancer. Transdisciplinary Research in Energetics and Cancer (TREC) Training Workshop R25CA203650 (PI: Melinda Irwin). Nov 20, 2019. Virtual.
15. **Ting-Yuan Cheng.** Seminar. Understanding the etiologic factors of breast cancer by race: the molecular pathological epidemiology approach. Department of Pathology, Immunology and Laboratory Medicine, University of Florida. Gainesville, FL. Mar 21, 2018.
16. **Ting-Yuan Cheng.** Seminar. Body Size, mTOR Pathway, and Breast Cancer Subtypes in African American and European American women. Department of Epidemiology, University of Florida, Gainesville FL. August 22, 2016
17. **Ting-Yuan Cheng.** Seminar. Linking Nutrition and Cancer Prevention: How Can Molecular Pathological Epidemiology Help? Cancer Epidemiology Program, Moffitt Cancer Center. Tampa, FL. April 8, 2015.
18. **Ting-Yuan Cheng.** Seminar. Vitamin D: New Hope of Chemoprevention for Lung Cancer? Cancer Prevention Grand Rounds Seminar Series. Department of Cancer Prevention and Control, Cancer Population Sciences Program. Roswell Park Cancer Institute. Buffalo NY, March 11, 2013.
19. **Ting-Yuan Cheng.** Seminar. Vitamin D: A new hope of chemoprevention for lung cancer? University of South Carolina Arnold School of Public Health. Columbia, SC, January 22, 2013.
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| Books, Reports and Letters |
| 1. Huang HY, Caballero B, Chang S, Alberg A, Semba R, Schneyer C, Wilson RF, **Cheng TY**, Prokopowicz G, Barnes II GJ, Vassy J, Bass EB. Multivitamin/Mineral Supplements and Prevention of Chronic Disease. Evidence Report/Technology Assessment No. 139. *AHRQ Publication No. 06-E012*. Rockville, MD: Agency for Healthcare Research and Quality. May 2006.
2. **Cheng TY**. Fight for your health. *[Letter] Taipei Times*, Jan 18, 2006, Page 8.
3. Chiang PH. Taiwan Health Atlas I: Cancer Mortality. (**Cheng TY** as a Co-Editor) *National Health Research Institutes*. 2005. (ISBN 957-01-9899-0)
4. Wen CP, **Cheng TY**, Hsu HL. The Study of Prediabetes in Taiwan—Quantifying its Health Risk. Technical Report. *Bureau of Health Promotion, Department of Health*, Taiwan, 2004.
5. Wen CP. The Taiwan Tobacco Atlas. (**Cheng TY** as the Managing Editor) United Medical Foundation and National Health Research Institutes. 2004. (ISBN 957-29975-0-5)
6. Wen CP and **Cheng TY**. Smoker’s Health Risk Study. Technical Report. *Bureau of Health Promotion, Department of Health*, Taiwan, 2003.
7. **Cheng TY**. Keep raising cigarette taxes. *[Letter to the Editor] Taipei Times*, Oct 11, 2003, Page 8.
8. Collection of Research Papers on Tobacco or Health in Taiwan (**Cheng TY** as the Executive Editor), *National Health Research Institutes*. 2002.
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