CURRICULUM VITAE

Tianying Wu
Department/School of _Public Health
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EDUCATION

MS	Harvard School of Public Health Epidemiology
Postdoc	Harvard School of Public Health Molecular and nutritional epidemiology
Postdoc	Harvard School of Public Health Molecular biology in metabolic disease
PhD	University of North Carolina at Greensboro Nutrition biochemistry
MD	Capital University of Medical Science, Beijing Medicine and dentistry

TEACHING POSITIONS

Fall 2017-present San Diego State University	Associate Professor Epidemiology
2016-2017 University of Cincinnati College of Medicine	Associate Professor Epidemiology
2007-2015 University of Cincinnati College of Medicine	Assistant Professor Epidemiology
2005-2007 Harvard School of Public Health	Instructor Molecular Epidemiology

PROFESSIONAL GROWTH

PUBLICATIONS

First author or corresponding author publications

Notes: Wu T denotes corresponding author**

1. **Wu T**,** Kasper S, Wong R, Bracken B. Identification of differential patterns of oxidative biomarkers in prostate cancer. Clinical Genitourinary Cancer. 2020; April 18(2). (Impact Factor: 2.45).

2. **Wu T**,** Hsu FC, Wang S, Luong D, Pierce JP. Hemoglobin A1c Levels Modify Associations Between Dietary Acid Load and Breast Cancer Recurrence. Nutrients. 2020. Feb 23;12(2):578. PMCID: PMC7071352 DOI: 10.3390/nu12020578. (Impact factor: 4.54)

3. **Wu T**,** Hsu FC, Pierce JP. Increased Acid-Producing Diet and Past Smoking Intensity Are Associated With Worse Prognoses Among Breast Cancer Survivors: A Prospective Cohort Study. J Clin Med. 2020 Jun 11;9(6):E1817. PMID: 32545214 DOI: 10.3390/jcm9061817 (2-year Impact factor: 4.4)

4. Sonoda S, Giovannucci E, Hagadorn K, Purnajo I, Bracken B, Liu Hand **Wu T***. Red Meat, Renal Function, Race and Other Predictors of Circulating Nitrates. Epidemiology (Sunnyvale). 2019, 9: 367. DOI: 10.4172/2161-1165.1000367. (5-year Impact factor: 1.75*).

5. **Wu T**,** Sonoda S, Liu H. Unprocessed red meat intakes are associated with increased inflammation, triglycerides and HDL cholesterol in past smokers. Nutr Diet. 2019 Jun 3. doi: 10.1111/1747-0080.12555. (Impact factor: 1.339)

6. **Wu T***, Seaver P, Lemus H, Hollenbach K , Wang E and Pierce J. Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. Nutrients. 2019, 11(8),1913; https://doi.org/10.3390/nu11081913. (Impact factor, 4.5).

7. Posis A, Bellettiere J, Liles S, Alcaraz J, Nguyen B, Berardi V, Klepeis NE, Hughes SC, **Wu T**, Hovell MF. Indoor cannabis smoke and children's health. Prev Med Rep. 2019 Mar 16;14:100853. doi: 10.1016/j.pmedr.2019.100853. eCollection 2019 Jun. CiteScore: 2.38 (Impact factor: 2.4)

8. Chen A, C Xie C, Vuong AM, **Wu T** and E A DeFranco EA. Optimal gestational weight gain: pregnancy BMI specific influences on adverse pregnancy and infant health outcomes. Journal of Perinatology. 2017. 37 (4): 369-374. PMID: 5389902. (Impact factor: 2.1).

9. Hirko K, Fortner R, Hankinson S, **Wu T**, Eliassen H. Plasma fluorescent oxidation products and risk of estrogen receptor-negative breast cancer in the Nurses' Health Study and Nurses' Health Study II. Breast Cancer Res and Treat. Accepted. 2016 Jul;158(1):149-55. PMID: 27294610. (Impact factor: 4.2).

10. Jung S, Smith-Warner SA, Willett WC, Wang M**, Wu T**, Jensen M, Hankinson SE, Eliassen AH. Nutrients. Healthy Dietary Patterns and Oxidative Stress as Measured by Fluorescent Oxidation Products in Nurses' Health Study. Nutrients. 2016. Sep 21;8(9). PMID: 27657128. (Impact factor: 4.5)

11. Yang S, Jensen M, Rimm E, Willett W, **Wu T****. Physical Activity and Oxidative Stress Biomarkers in Generally Healthy Women. Journal of Community Medicine & Health Education. 2015; 5:377. doi:10.4172/2161-0711.1000377. 5-Year Impact Factor: 2.15.

12. Yang S, Liu M, **Wu T**.** Magnitude of the Difference between Fasting and Non-fasting Triglycerides, and Its Dependent Factors. Journal of Community Medicine & Health Education. 2015; 5:375. doi:10.4172/2161-0711.1000375. 5-Year Impact Factor: 2.15.

13. Yang S, Giovannucci E, Ho SM, Bracken B, **Wu T**.** Fluorescent oxidation products and erectile dysfunction: cross-sectional and prospective analyses. BMC urology. 2015;15:85. (Impact factor:1.90)

14. Yang S, Pinney SM, Mallick P, Ho SM, Bracken B, **Wu T**.** Impact of Oxidative Stress Biomarkers and Carboxymethyllysine (An Advanced Glycation End Product) on Prostate Cancer: A Prospective Study. Clinical Genitourinary Cancer. 2015; 13:e347-51. (Impact factor:2.45)

15. Yang S, Chen I, **Wu T****. Association of History of Fracture with Prehypertension and Hypertension: A Retrospective Case- control Study. BMC Musculoskeletal Disorders. 2015:16:86 (5-year Impact factor: 2.381).

16. Chen A, Xu F, Xie C, **Wu T**, Vuong A, Miao M, Yuan W, DeFranoco E. Gestational Weight Gain Trend and Population Attributable Risks of Adverse Fetal Growth Outcomes in Ohio. Paediatric and Perinatal Epidemiology. 2015; 29:346-50. (Impact factor: 3.1)

17. Hagan K, **Wu T**, Rimm EB, Eliassen H, Okereke OI. Phobic anxiety and plasma levels of global oxidative stress in women. Eur. J. Psychiat. 2015; 29(1):13-26. (Impact factor: 0.24)

18. Sisti JS, Lindström S, Kraft P, Tamimi RM, Rosner BA, **Wu T**, Willett WC, Heather Eliassen A. Premenopausal plasma carotenoids, fluorescent oxidation products, and subsequent breast cancer risk in the nurses' health studies. Breast Cancer Res Treat. 2015; 51:425-25 (Impact factor: 4.2)

19. Yang S, **Wu T****. Osteoporosis and osteoporotic fracture: contribution of hypertension and anti-hypertension medications. Austin J Clin Med. 2014;1:7.

20. Yang S, Feskanich D, Willett WC, Eliassen AH, **Wu T****. Association between global biomarkers of oxidative stress and hip fracture in postmenopausal women: a prospective study. J Bone Miner Res. 2014; 29: 2577-83. (Impact factor: 6.6) – **Top bone journals, my postdoc won young investigator award at the ASBMR annual conference.**

21. Yang S, Jensen MK, Rimm EB, Willett W, **Wu T****. Erythrocyte Superoxide Dismutase, Glutathione Peroxidase, and Catalase Activities and Risk of Coronary Heart Disease in Generally Healthy Women: A Prospective Study. Am J Epidemiol. 2014;189:901-8. (Impact factor: 6.1).
    - **Selected as the Editor's choice.**

22. **Wu T****, Wang Y, Ho S-M, Giovannucci E. Plasma nitrate level and risk of prostate cancer: a prospective study. Cancer Epidemiol Biomarkers & Prev. 2013;22:1210-8. (Impact factor: 4.6).

23. Wang Y, Townsend MK, Eliassen, A. H, **Wu, T****. Stability and reproducibility of the measurement of plasma nitrate in large epidemiologic studies. N Am J Med Sci (Boston). 2013;6: 82-86.

24. Jensen MK**,** Wang Y, Townsend MK, Willett W, Rimm EB, **Wu T****. Fluorescent oxidation products, an independent predictor of coronary heart disease in women. JAHA 2013;2(5). Impact factor (5.1)

25. Fortner RT, Tworoger SS, **Wu T**, A. Heather Eliassen. Plasma Florescent Oxidation Products and Breast Cancer Risk: Repeated measures in the Nurses' Health Study. Breast Cancer Res and Treat. 2013;141:307-16. (Impact factor: 4.2)

26. Fortner RT, Tworoger SS, **Wu T**, A. Heather Eliassen. Plasma Florescent Oxidation Products and Breast Cancer Risk: Repeated measures in the Nurses' Health Study. Breast Cancer Res and Treat. 2013;141:307-16. (Impact factor: 4.2)

27. Rebholz CM, **Wu T**, Hamm LL, Arora R, Khan IE, Liu Y, Chen CS, Mills KT, Rogers S, Kleinpeter MA, Simon EE, Chen J. The association of plasma fluorescent oxidation products and chronic kidney disease: a case-control study. Am J Nephrol. 2012;36(4):297-304. (Impact factor: 3.55)

28. Hart JE, **Wu T**, Laden F, Garshick E. Plasma fluorescent oxidation products and short-term occupational particulate exposures. Am J Ind Med. 2012; 55:953-60. (Impact factor: 1.7)

29. Fung TT, Hu FB, Schulze M, Pollak M, **Wu T,** Fuchs CS, Giovannucci E. A dietary pattern that is associated with C-peptide and risk of colorectal cancer in women. Cancer Causes Control. 2012;23(6):959-65. (Impact factor: 3.42)

30. Cui J, Germer K, **Wu T**, Wang J, Luo J, Wang SC, Wang Q, and Zhang X. Crosstalk between HER2 and MED1 regulates tamoxifen resistance of human breast cancer cells. Cancer Res. 2012;72:5625-34. (Impact factor: 9.3).

31. **Wu T****, Giovannucci E, Welge J, Mallick P, Tang W, Ho SM. Measurement of GST-P1 methylation in body fluids and prostate cancer: a meta-analysis. Br J cancer. 2011 105:65-73. (Impact factor: 5.4)

32. **Wu T**,** Willett WC, Giovannucci E. Plasma C-Peptide is inversely associated with calcium intake in women and with plasma 25-hydroxy vitamin D in men. J of Nutrition. 2009; 139:547-54. (Impact factor: 4.7).

33. **Wu T**,** Gao X, Chen M, van Dam R. Long-term effectiveness of diet plus exercise versus diet only interventions for weight loss: a meta-analysis. Obes Rev. 2009;10:313-23. (Impact factor: 8.5)

34. **Wu T**,** Rifai N, Willett WC, Rimm EB. Fluorescent oxidation products, an independent predictor of coronary heart disease. Am J Epidemiol. 2007;166:544-51. (Impact factor: 6.1). --**won Jeremiah & Rose Stamler at the American Heart Association conference.**

35. **Wu T****, Willett WC, Rifai N, Rimm EB. Plasma fluorescent oxidation products as potential markers of oxidative stress for epidemiologic studies. Am J Epidemiol. 2007; 166:552-60. (Impact factor: 6.1).

36. **Wu T**,** Willett WC, Rifai N, Shai I, Manson JE, Rimm EB. Is oxidized LDL, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease. J Am Coll Cardiol . 2006; 48: 973-9. (Impact factor: 18.6).--**won Elizabeth Barrett-Connor Research Award at the American Heart Association conference**

37. **Wu T**,** Willett WC, Hankinson S, Giovannucci E. Caffeinated coffee, decaffeinated coffee and caffeine in relation to plasma C-peptide. Diabetes Care. 2005; 28:1390-6. (Impact factor: 15.3)-- **Won young investigator award.**

38. **Wu T**,** Rifai N, Willett WC, Rimm EB. Stability of biomarkers of oxidative stress in plasma over

36 hours. Cancer Epidemiol Biomarkers Prev. 2004;13: 1399-1402. (Impact factor: 4.6)

39. **Wu T****, Giovannucci E, Pischon T, Ma J, Hankinson S, Rifai N, Rimm EB. Fructose, glycemic load, quantity and quality of carbohydrate in relation to plasma C-peptide in US women. Am J Clin Nutr. 2004; 80:1043-9. (Impact factor: 7.8)

40. **Wu T**,** Rifai N, Willett WC, Rimm EB. Stability of biomarkers of oxidative stress in plasma over 36 hours. Cancer Epidemiol Biomarkers Prev. 2004;13: 1399-1402. (Impact factor: 4.6)

41. **Wu T**, Geigerman C, Lee YS, Wander RC. Enrichment of LDL with EPA and DHA decreased oxidized LDL-induced apoptosis in U937 cells. Lipids. 2002; 37: 789-96. (Impact factor: 1.9)

42. Higdon J, Du S-H, Lee YS, **Wu T**, Wander RC. Supplementation of postmenopausal women with fish oil does not increase ex vivo oxidation of LDL compared to dietary oils rich in oleate and linoleate. J Lipid Res. 2001; 42: 407-18. (Impact factor: 5.4)

Publications in Review

1. **Wu T**,** Hsu FC, Wang S, Pierce JP. The associations between dietary acid load and depression

2. Parada H, **Wu T**, Fry RC, Farnan L, Smith GJ, Mohler JL, Bensen JT. Understanding the relationship between environmental arsenic and prostate cancer among African American and European American men in North Carolina

3. Garduno A and **Wu T**.** Differential associations of liver enzymes with caffeine metabolism in never, former and current smokers.

Publications in Preparation

1. **Wu T**,** Shinde R, Castro R, Satybaldiyeva N, Pierece JP. Interrelationships of seasons with inflammation, cardio-metabolic health, smoking status and food intakes among breast cancer survivors

Abstracts accepted at 2017-2020 Conferences

Garduno A, **Wu T****. Caffeine Metabolite Index Significantly Elevated in Mexican Americans and Other Hispanics Compared to Non-Hispanic Whites in NHANES 2009-2010. Poster presentation at 2020 National Hispanic Health Conference, Washington, D.C. (May 2020).

Garduno A, **Wu T****. Caffeine Metabolite Index Significantly Elevated in never, past and current smokers. 2020 TRDRP conference

Wu T**, Seaver P and Pierce JP. Dietary acid load and inflammation and hyperglycemia in never and past smokers. 2020 TRDRP conference

Wu T,** Hsu FC, Pierce JP. Acid-Producing Diet and Past Smoking Intensity and Prognoses Among Breast Cancer Survivors. 2020 Gerontological Society of America (GSA) Annual conference

Wu T,** Hsu FC, Wang S, Luong D, Pierce JP. Hemoglobin A1c Levels Modify Associations Between Dietary Acid Load and Breast Cancer Recurrence. 2020 Annual American Society of Nutrition conference

Wu T,** Hsu FC, Wang S, Pierce JP. The associations between dietary acid load and depression. 2020 Annual American Society of Nutrition conference

Wu T, Seaver P, Pierce J**.** Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Annual American Society of Nutrition conference.

Wu T, Khuu B, Pierce J**.** Associations between Types of Red Meat and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Annual American Society of Nutrition conference.

Wu T. Sonoda S, Giovannucci E, Hagadorn K, Purnajo I, Bracken B, Liu Hand **Wu T****. Red Meat, Renal Function, Race and Other Predictors of Circulating Nitrates. 2019 Functional Food Conference.

Seaver P, Pierce J and **Wu T.** Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

Seaver P, Pierce J and **Wu T.** Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 EPI-exchange Symposium.

Khuu B, Pierce J and **Wu T.** Associations between Types of Red Meat and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

Montine P, Pierce J and **Wu T.** Associations between Depression and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

Khuu, Pierce J and **Wu T.** Associations between Types of Red Meat and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 EPI-exchange Symposium.

Wu T**,** Kasper S, Bracken B. Titled "Oxidative stress in relation to patients BPH, prostatectomy and watchful waiting of prostate cancer" AACR annual conference 2018.

Sonoda S, Pernajo I, and **Wu T****.** Titled "Types of vegetables and meat and urinary nitrates" at Experimental Biology and Medicine conference 2018.

Sonoda S, Hagadorn K , and **Wu T****.** Titled "Urinary nitrates and renal function" at Free Radical, Biology and Medicine conference 2018.

Kelly Hagodorn, Sonoda S, and **Wu T**. Titled "Urinary nitrates and renal function" at EPI-exchange conference in San Diego 2018

Intan Purnajo, Sonoda S, and **Wu T**. Titled " Types of vegetables and urinary nitrates" at EPI-exchange conference in San Diego 2018

Christine-Thanh Nguven, Sonoda S, and **Wu T**. Titled "Cooking method of meat and urinary nitrates" at EPI exchange conference in San Diego 2018

Sonoda S, and **Wu T**. Titled "Red meat and urinary nitrates" at Free Radical, Biology and Medicine conference 2017.

FUNDED RESEARCH GRANTS

Active

Jump-start grant (PI: Wu) 08/01/2019-01/1/2022
College of Human Health and Services $18,000
Project Title: Proton pump inhibitors, red meat intakes, and nitrate metabolism
This proposal aims to study the impacts of proton pump inhibitors (PPIs) and red meat on nitrate metabolism and gut health.
Role: Principal Investigator

T30IP0998 (PI: Wu) 09/02/2019-09/1/2021
TRDRP $602,000
Project Title: Secondhand smoke, past smoking, diet, novel biomarkers and breast cancer metastasis.
This proposal aims to study the joint impact of secondhand smoke/past smoking, diet and biomarkers on breast cancer prognosis.
Role: Principal Investigator

1R01CA228147 (PI: JANKOWSKA/BENMARHNIA) 04/09/2019-03/31/2024
NCI Subcontract: $61,742.39
Project Title: Integrating novel GIS and GPS data to assess the impact of built environments on changes in BMI, physical activity and cancer-related biomarkers in two successful weight loss interventions in women.
This proposal aims to investigate the relationship between minute level objective GIS measured walkability, greenspace, pollution and food environments and changes in BMI, physical activity (PA), and cancer related biomarkers.
Role: SDSU site Co-Principal Investigator

Completed

5R01OH010582 (PI: Friese) 07/01/2014-2019
NIOH Subcontract: $26,000
Project Title: Randomized controlled trial to improve oncology nurses' protective equipment use.
This proposal aimed to study work stress in relation to oxidative stress among nurses work in oncology clinics.
Role: subcontract-principle investigator,

1K07CA138714-01A2 (PI: Wu) 09/01/2010 – 08/30/15
NCI $821,210
Project Title: Global and specific oxidation pathways related to prostate cancer, prospective analysis
This proposal aimed to study
Role: Principal investigator

2RO1HL035464 (PI: Rimm) 2010-2015
NHLBI Subcontract: $39,250
Project Title: Dietary etiology of heart disease
This proposal aimed to create dietary scores of oxidative stress for heart disease in nurses enrolled in the Nurses' Health Study.
Role: Subcontract principal investigator

RO1 A3295-01 (PI: Eliassen). 03/01/09-02/30/13

NCI Subcontract: $157,000
Project Title: Antioxidants and oxidation in relation to breast cancer
This proposal aimed to study oxidative stress in relation to risk of breast cancer in overweight and lean among who were at menopausal stage.
Role: Co-Investigator

Susan Komen Grant (Eliassen) 07/01/10-06/30/13
Susan Komen Foundation Subcontract: $55,000
Project Title: Oxidation in relation to breast cancer in premenopausal women
This project aimed to study oxidative stress in relation to risk of breast cancer in premenopausal women
Role: Co-Investigator

K23 DK083528 Patient Oriented Career Development Award (PI: Lee) 04/01/09 –03/29/13
NIDDK Subcontract: $9,000
Project Title: Oxidative stress and arteriovenous fistula maturation
This project aimed to study oxidative stress related to complications among chronic kidney disease patients who need dialysis
Role: Co-Investigator

KO8-AG029813-01A2 (PI: Okereke) 07/01/08- 6/30/13
NIA Subcontract: $14,300
Project Title: Dietary fat composition, plasma lipids, and cognitive decline
This proposal aimed to oxidative stress related to cognitive decline in women
Role: Co-Investigator

P30 ES006096 Center for Environmental Genetics (PI: Ho) 03/31/13 – 03/31/15
NIEHS Sub-award: $40,000
Project Title: Environmental influences on biomarkers in humans
This proposal aimed to study dietary and lifestyle predictors of biomarkers, such as plasma nitrates
Role: Principal Investigator for sub-award

R21 ES016830-01A1 (Butsch-Kovacic) 07/01/2009 - 06/30/2011
NIEHS Subcontract: $39,250
Project Title: DEP Exposure Aggravates Atopy in Gene-Predisposed Children
This proposal aimed to study the levels of oxidative stress in relation to asthma in children
Role: Co-Investigator

P20 RP17659 (PI: Chen) 04/01/2008 -3/30/2011
NCRR Subcontract: $26,000
Project Title: Examine the effects of endothelial dysfunction, adipocytokines, and inflammation on the risk of CKD.
This proposal aimed to study the levels of oxidative stress in relation to risk of CKD and renal function
Role: subcontract principal investigator

Dean Bridge Funds (PI: Wu) 12/01/2009 – 11/30/2010.
University of Cincinnati Medical Center $60,000
Project Title: Biomarkers and prostate cancer
This proposal aimed to do a systemic review on biomarkers and diagnoses of prostate cancer, to modify the methods of measurement of fluorescent oxidation products and to compare different biomarkers of oxidative stress for prostate cancer progression
Role: Principal Investigator

Barrett Cancer Center Pilot Grant: 03/1/2008 -02/29/2009
University of Cincinnati $20,000
Project Title: Oxidative stress and prostate cancer development
This proposal aimed to establish methods for measurement of advanced glycation products and measure them in prostate cancer
Role: Principal Investigator.

Boston VA internal Funds (PI: Garshick) 01/01/2008 – 03/31/2009
VA: Subcontract: $30,000
Project Title: Air pollution and health in truck drivers
This proposal aimed to compare the levels of oxidative stress in truck drivers and office workers
Role: Subcontract-Principal Investigator

0430202N Scientist Development Grant (PI: Wu) 01/01/2004 - 12/30/2008
American Heart Association $291,500
Project Title: Oxidative Stress in Relation to Coronary Heart Disease and Dietary Lifestyle Factors
This proposal aimed to identify and evaluate three types of oxidation biomarkers and antioxidant enzymes for the prediction of coronary heart disease in nurses and examine their associations with diet and lifestyle factors
Role: Principal Investigator.

Funded Training Grants or fellowship

USDA Kika De La Garza fellowship (PI: Wu) 16/6/2018 to 7/7/2018
USDA $9,500
Outstanding Faculty training fellowship for Hispanic Serving Institutes
Role: Principal investigator

Grant Research and Enterprise Writing (Grew) fellowship (PI: Wu) 09/2017 to 12/2017
SDSU
Role: principal investigator

Pending
USDA/NIFA seed grant (PI: Wu) Submitted in April, 2020
USDA $200,000
Project Title: Red meat, white meat and gut microbiome
Role: Principal Investigator

Scholarly Awards

2018 Awardee of United States Department of Agriculture (USDA) Kika De La Garza Research Fellowship (6/16/2018–7/7/2018), which honored me for my achievements in molecular and nutrition epidemiology.

2014 Director's Discretionary Award, Center for Environmental Genetics, University of Cincinnati

2012 Director's Discretionary Award, Center for Environmental Genetics, University of Cincinnati

2011 Director's Discretionary Award, Center for Environmental Genetics,

University of Cincinnati

2009	Dean's Bridge Awards, University of Cincinnati College of Medicine
2008	Discretionary Award, Cincinnati Center for Breast Cancer Research
2005	Elizabeth Barrett-Connor Research Award (finalist), American Heart Association
2004	Scientist Development Award, American Heart Association
2004	Jeremiah & Rose Stamler Research Award for New Investigators, American Heart Association
2003	Katie Couric Fellowship, Harvard School of Public Health
2002	Katie Couric Fellowship, Harvard School of Public Health

Participation in Professional Associations

Member, American Society of Nutrition
Member, Society for Free Radical in Biology and Medicine
Member, American Heart Association
Member, Society for Epidemiology Research
Member, American Association for Cancer Research

TEACHING EFFECTIVENESS

Courses Serving as the Primary Instructor

San Diego State University

2020, Spring	Chronic Disease Epidemiology (PH622) (2.7 hr/Lecture, 1 lecture/week for 15 weeks)
2019, Fall	Introduction Epidemiology (PH601) (2.7 hr/lecture, 1 lecture/week for 15 weeks)
2019, Spring	Chronic Disease Epidemiology (PH622) (2.7 hr/Lecture, 1 lecture/week for 15 weeks)
2018, Fall	Introduction Epidemiology (PH601) (2.7 hr/lecture, 1 lecture/week for 15 weeks)
2018, Spring	Chronic Disease Epidemiology (PH622) (2.7 hr/Lecture, 1 lecture/week for 15 weeks)
2017, Fall	Introduction Epidemiology (PH601) (2.7 hr/lecture, 1 lecture/week for 15 weeks)

University of Cincinnati College of Medicine

2016, Spring	Introduction Epidemiology (2.5 hr/Lecture, 1 lecture/week for 14 weeks)

2016, Summer	Chronic Epidemiology (2.5 hr/ lecture, 1 lecture/week for 5 weeks)
2016, Fall	Nutritional Epidemiology (BE8063) (2.5 hr/ lecture, 1 lecture/week for 14 weeks, fall semester)
2011-2014, Fall	Nutritional Epidemiology (BE8063) (2.5 hr/ lecture, 1 lecture/week for 14 weeks, fall semester)

Mentoring

Highlights of achievements of mentoring

Awards

2020 **Elizabeth Luna** (MPH student): **received Cancer Epidemiology Education in Special Populations (CEESP) Fellowship** in 2020. This is a National Cancer Institute fellowship award that provides a summer stipend to support research on cancer health disparities.

2014 **Shuman Yang** (Postdoctoral fellow): won young investigator award for ASBMR annual conference

2014 **Shuman Yang** (Postdoctoral fellow): won postdoctoral fellow research award from Center for Environmental Genetics (P30 ES006096)

Abstracts submitted to conference

2020 Garduno A, **Wu T**. Caffeine Metabolite Index Significantly Elevated in Mexican Americans and Other Hispanics Compared to Non-Hispanic Whites in NHANES 2009-2010. Poster presentation at 2020 National Hispanic Health Conference, Washington, D.C. (May 2020).

2020 Garduno A, **Wu T**. Caffeine Metabolite Index Significantly Elevated in never, past and current smokers. 2020 TRDRP conference

2019 Seaver P, Pierce J and **Wu T.** Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

2019 Seaver P, Pierce J and **Wu T.** Associations between Dietary Acid Load and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 UCSD-SDSU EPI-exchange Symposium.

2019 Khuu B, Pierce J and **Wu T.** Associations between Types of Red Meat and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

2019 Montine P, Pierce J and **Wu T.** Associations between Depression and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 Student Research Symposium.

2019 Khuu, Pierce J and **Wu T.** Associations between Types of Red Meat and Biomarkers of Inflammation and Hyperglycemia in Breast Cancer Survivors. 2019 UCSD-SDSU EPI-exchange Symposium.

2018 Kelly Hagodorn, Sonoda S, and **Wu T**. Urinary nitrates and renal function. 2018 UCSD-SDSU EPI-exchange

2018 Intan Purnajo, Sonoda S, and **Wu T**. Types of vegetables and urinary nitrates. 2018 UCSD-SDSU EPI-exchange

2018 Christine-Thanh Nguven, Sonoda S, and **Wu T**. Cooking method of meat and urinary nitrates. 2018 UCSD-SDSU EPI-exchange

2017 Sonoda S, and **Wu T**. Red meat and urinary nitrates. 2017 Free Radical, Biology and Medicine conference 2017.

From 2017 to 2020, supervised capstone or manuscript projects enrolled in the graduate program of School of Public, SDSU

Date	Name	Role in committee	Degree program	Title	Project description
2020-2021	Komla Tessou	Chair	MPH in epidemiology	Diet and stress and physical function	Determine whether dietary acid load and physical function are modified by stress
2019-2020	Cynthia M. Chow	Chair	MPH in epidemiology	Vitamin B 12 and depression	Determine whether intake of vitamin B12 is a risk factor depression
2019-2020	Marci Guzman	Chair	MPH in epidemiology	Hormone use and mental health	Determine whether use of oral contraceptive is a protective factor for mental health in California
2019-2020	Carol Manisouk	Chair	MPH in epidemiology	Neighborhood safety and depression	Determine whether neighborhood safety is a risk factor for depression using NHANES data
2019-2020	Rachelle De Ocampo	Chair	MPH in epidemiology	Association between quality of sleep and prediabetes among U.S. adults using NHANES 2015-2016 data	Determine whether sleep quality is risk factor for prediabebtes
2019-2020	Denise Justo	Committee member	MPH in epidemiology	Panic disorder and C-reactive protein	Determine whether panic disorder is a risk factor for C-reactive protein
2019-2020	Ellie Klee	Committee member	MPH in epidemiology	Hepatitis and C-reactive protein	Determine whether hepatitis patients have elevated C-reactive protein, particularly among obese people
2019-	Maihofer, Adam	Committee member	SDSU-UCSD joint doctoral student in epidemiology	Enhancing the Genetic Characterization of Post Traumatic Stress Disorder (PTSD) Risk and Resilience	Study genetic predictors and rare copy number in relation to PTSD risk and development and using Mendelian randomization to study the association of PTSD with Parkinson disease
2018-2019	Phoebe Seaver **(Manuscript published in 2019)**	Chair	MPH in epidemiology	Dietary acid load and inflammation and hyperglycemia	Determine the association between dietary acid load and inflammation and hyperglycemia among breast cancer survivors
2018-2019	Jingling Wang	Chair	MPH in epidemiology	Dietary habits and psychological Distress	Determine whether soft drinks and high sugar diet were associated with psychological stress
2018-2019	Raneem Hawari	Chair	MPH in epidemiology	Pre-diabetes and psychological Distress	Determine whether pre-diabetes status was

					associated with psychological stress
2018-2019	Leah Nepomuceno	Chair	MPH in epidemiology	Family Support and cardiovascular disease	Determine cross-sectional associations between family support and heart disease
2018-2019	Daniel Correll	Committee member	MPH in epidemiology	Glucose tolerance and carcinogenesis	Determine whether glucose tolerance is a risk factor for carcinogenesis
2018-2019	Malek Guerbaoui	Committee member	MPH in epidemiology	Federal poverty level and hypertension in California	Determine whether using federal poverty level can assess risk of hypertension in California
2018-2019	Summer Reames	Committee member	MPH in epidemiology	Food stamps and type 2 diabetes	Determine whether using food stamps can predict risk of type 2 diabetes
2017-2018	Kristina Mardinia	Chair	MPH in epidemiology	Access to Fruits and Vegetables and Type II Diabetes	Determine whether accessibility to fruits and vegetables are associated with risk of type II diabetes
2017-2018	Ankita Kalraiya	Chair	MPH in epidemiology	Affordability of fruit and vegetables and psychological distress	Determine whether affordability of fruit and vegetables is a risk factor for psychological distress
2017-2018	Alexander Ivan Posis	Chair **(manuscript published in 2019)**	MPH in epidemiology	Indoor cannabis smoke and children's health	Determine whether cannabis smoke is a risk factor for children's health using a cross-sectional survey
2017-2018	Jamie M. Harguess	Committee Member	MPH in health promotion	Strategies to reduce meat consumption: A systematic literature review of experimental studies	Review different behavior strategies to reduce red meat intakes
2017-2018	David Luong	Committee Member	MPH in epidemiology	Walking and quit for smoking	The determine the association between walking for leisure and intention to quit smoking in the next six months among California smokers in Chis 2015 data set

Chaired Master Thesis or Doctoral Student Dissertation Committee at the University of Cincinnati College of Medicine

2014 Ying Xia (PhD), Pharmaco-epidemiology, School of Pharmacy, University of Cincinnati

2010 Elizabeth Masterson (PhD), Epidemiology, Department of Environmental Health, University of Cincinnati

2008 Najla Al Ali (MS), Epidemiology, Department of Environmental Health, University of Cincinnati, College of Medicine

2016 Alison DiGennaro (MPH), Public Health, College of Medicine

2016 Alexa Gudelsky (MPH), Public Health, College of Medicine University of Cincinnati

2015	Ashley Kuzmik (MPH), Public Health, College of Medicine University of Cincinnati
2015	Samantha Sonoda (MS), Epidemiology, College of Medicine, University of Cincinnati
2014	Alexandria Cobb (MPH), Public Health, College of Medicine, University of Cincinnati.

Mentored Postdoctoral Fellows at the University of Cincinnati College of Medicine

2013 – 2015	Shuman Yang, postdoctoral fellow at the University of Cincinnati College of Medicine, Department of Environmental Health, Division of Epidemiology. Under Dr. Wu's supervision, Shuman Yang has won **Young Investigator Awards** from the American Society of Bone and Mineral Research and from Center for Environmental Genetics at the University of Cincinnati
2011 – 2013	Jessen Majken, research fellow from Harvard School of Public Health, current position assistant professor at Harvard School of Public Health
2008 – 2011	Yushan Wang, returned to China after 2011
2008 – 2013	Palash Mallick, current position, molecular epidemiology fellow at University of Cincinnati and Cincinnati Children's Hospital Medical Center
2008-2009	Xiaona Liu, current position, research associate at Cincinnati Children's Hospital Medical Center

Supervised Graduate Students who were my research, teach assistants or graduate advisees

At SDSU School of Public Health

- 2019-2020 Alexis Guduno (**Doctoral student**)
- 2020-present Komla Tessou (MPH student)
- 2020-present Bayman Zada (MPH student)
- 2020-present Rajashree Shinde (MPH student)
- 2020-present Raith Quenzer (MPH student)
- 2019-2020 Ashley William (MPH student)
- 2019 Nora Satybaldiyeva (MPH student)
- 2018– 2019 Brandon Khuu (MPH student)
- 2018– 2019 Sandra Yun (MPH student)
- 2018– 2019 Nhat Thai (MPH student)
- 2018– 2019 John Morcos (MPH student)
- 2018– 2019 Kelly Red (MPH student)
- 2018– 2019 Jiadi An (MPH student)

- 2018– 2019 Phoebe Seaver (MPH student)
- 2018– 2019 Patrick Montine (MPH student)
- 2018 Daisy Lopez (MPH student)
- 2018 Intan Purnajo (MPH student)
- 2018 David Luong (MPH student)
- 2018 Christine-Thanh Nguyen (MPH student)
- 2017-2018 Jingling Wang (MPH student)
- 2017 −2019 Raneem Hawari (MPH student)
- 2017 −2019 Leah Nepomuceno (MPH student)
- 2017 −2019 Erin Reilly (MPH student)
- 2017 −2019 Casey Barber (MPH student)
- 2017 −2019 Anthony Clarke (MPH student)
- 2017– 2018 Kelly Hagodorn (MPH student)
- 2017– 2018 Alexander Ivan Posis (MPH student)
- 2017– 2018 Kristina Mardinian (MPH student)
- 2017– 2018 Ankita Kalraiya (MPH student)

At the University of Cincinnati College of Medicine

- 2016 –2017 Alison DiGennaro (MPH student)
- 2016 –2017 John Betz (MPH student)
- 2016 – 2017 Alexa Gudelsky (MPH student)
- 2015 – 2017 Jordan Oberndorfer (MPH student)
- 2015 – 2017 Larrisa Formum Mugri (MPH student)
- 2015 – 2017 Jabeen Taiba (MPH student)
- 2015 – 2017 Ashley Kuzmik (MPH student)
- 2014 – 2016 Alexandria Cobb (MPH student)
- 2014 – 2016 Sehrish Khan (MPH student)
- 2013 – 2015 Samantha Sonoda (MPH student)

Undergraduate Students Mentored as Interns by Dr. Wu

2019 Robert Castro, Major in Nutrition, San Diego State University
2014 Michael King, Major in Statistics, University of Cincinnati
2014 Robert Blue, Major in Business, University of Cincinnati
2013 Jerome Roth, Major in Environmental Health, University of Cincinnati
2008 Rebecca Ssisson, summer research scholar, Major in Biology, Oakwood College.

SERVICE

Service for the University

At SDSU

- 2020 Member of the admission committee for MPH students with Epidemiology Major. This committee is to review applications and decide who should be admitted for this program.
- 2020 Judge for 2020 Student Research Symposium
- 2019 Judge for 2020 Student Research Symposium
- 2019 Member of the admission committee for UCSD-SDSU doctoral students with Epidemiology. This committee is to review applications and decide who should be admitted for this program.
- 2019 Member of the admission committee for MPH students with Epidemiology Major. This committee is to review applications and decide who should be admitted for this program.
- 2019 An invited talk at the Department of Statistics Monthly Seminar
- 2018 Member of the admission committee for MPH students with Epidemiology Major. This committee is to review applications and decide who should be admitted for this program.
- 2018 Provided a guest lecture for undergraduates for course SWORK-361 Human behavior across life span. The guest lecture contents are related to the importance and impacts of leisure time physical activities
- 2017 Serve on global health committee for School of Public Health
  The purpose of this committee is to design strategies to promote teaching and research on global health
- 2017 Modified student road map for MPH program in epidemiology.

At the University of Cincinnati College of Medicine

- 2014 –2017 Member, College of Medicine Faculty Development Council, University of Cincinnati
- 2013 –2017 Member, MS and PhD Degree Curriculum Committee
- 2011 Organizing spring departmental seminar series for the Department of Environmental Health
- 2010 – 2017 Member of Admission Degree Committee for MPH
- 2009 – 2017 IRB review committee, Department of Environmental Health

– 2008 – 2017 Poster Judge, Committee for Graduate Student Forum, College of Medicine

– 2013 – 2017 Departmental faculty recruitment (interviews)

Services outside of the University

Grant Review Panels and Study Sections

– 2020 Grant review for Swiss National Science Foundation

– 2019 Member of the USDA grant review panel for 1890 institution research capacity building program. The purpose of this committee is to review grants submitted to USDA from 1890 institutions. These grants are related to research and extension services.

– 2018 Member of the USDA grant review panel for 1890 institution teaching and capacity building program. The purpose of this committee is to review grants submitted to USDA from 1890 institutions. These grants are related to teaching, and extension services.

– 2015 American Heart Association, Review Committee for Innovative Research Grant

– 2014 NIH Center for Scientific Review, Epidemiology of Cancer Study Section (EPIC) (*ad hoc* reviewer)

– 2013 American Cancer Society, Psychosocial and Behavioral Research Study Section (*ad hoc* reviewer)

– 2012 – 2017 Italian Ministry of Health (*ad hoc* reviewer)

– 2010 – 2017 Research Grant Council in Hong Kong (*ad hoc* reviewer)

Editorial Board Member for Peer-Reviewed Journals

2016 – 2020 Reactive oxygen species

Reviewer for Abstracts for Conferences

2019	Chaired the review committee for selecting emerging leaders in nutrition science (Dietary Bioactive Component) for the 2019 Annual Conference for American Society of Nutrition
2018-present	Annual Conference of American Society of Nutrition
2011-2017	Annual Conference of Society of Experimental Biology
2011-2014	Annual Conference of American Heart Association (Scientific Session)
2010-present	Annual Conference of Society for Free Radical Biology and Medicine

Invited Reviewer for Peer-reviewed Journals (2004-present)

Nutrients; Brain Science; Journal of Clinical Medicine; American Journal of Epidemiology; *Cancer Epidemiology, Biomarkers and Prevention*; *Journal of the American Medical Association*; Archives of Internal *Medicine*; *American Journal of Clinical Nutrition*; *The Lancet*; *Obesity Research*; *Atherosclerosis*; *Circulation*;

Journal of the National Cancer Institute; *Journal of Nutrition*; *New England Journal of Medicine*; *Cancer Epidemiology Biomarkers and Prevention*; *Diabetes Care*

Invited Talks

- UCSD Moores Cancer Center (2020, August)
- TRDRP summer conference (2020, to be determined)
- 2020 Nutrition Virtual Conference (2020, July)
- Functional Food Conference (2019, May)
- Bastyr University (2019, March)
- SDSU Department of Statistics (2018, September)
- USDA NIFA research center at Beltsville (2018, July 6)
- University of Louisvile (2017 March 24)
- San Diego State University (2017 January)
- University of Central Florida (2016 May 24)
- Ohio University (2016 Feb 1)
- Texas Tech university (2016 Jan 24)
- Texas A& M university (2015 Jun 23)
- Cincinnati Children's Hospital, Bionutrition seminar (2015 Feb 9)
- University of Cincinnati lipid seminar series (2015 Feb 5)
- National Institute for Occupational Safety and Health, Industrywide Study Branch, Cincinnati, OH (2013 Nov 12)
- Ohio State University, Interdisciplinary Nutrition Program Seminar (2013, September 6)
- Baylor College of Medicine, the Dan L. Duncan Cancer Center (2013, June 18)
- University of South Carolina School of Public Health (2013, May 16)
- Cincinnati Children's Hospital, Division of Epidemiology and Biostatistics (2013, April 9)
- University of Cincinnati Genomic Research institute, Lipid Group seminar series (2013 Feb)
- Society for Free Radical Biology and Medicine annual meeting (2012 Nov)
- National Institute of Environmental Health Sciences, Epidemiology Branch, Durham, NC (2012 Aug 12)
- University of Cincinnati Gene and Environmental Interaction Seminar Series (2012 Nov)
- American Association for Cancer Research Annual Meeting (2011 April)
- University of Cincinnati Clinical Translational Research Center (2011 Oct)
- Frontiers in Cancer Prevention Conference, Philadelphia, PA (2010 Nov)
- University of Cincinnati College of Medicine, Department of Internal Medicine, Division of Nephrology (2009 Dec)
- University of Cincinnati Department of Environmental Health, Division of Epidemiology and Biostatistics (2008 June)
- University of Cincinnati College of Medicine, Institute of Study health (2008 Jan)
- American Heart Association Scientific Sessions, Orlando FL (2007 Nov)
- University of Minnesota, Department of Public Health (2006 Oct)