Wenxue Lin, Ph.D.

|  |  |
| --- | --- |
| Department of Epidemiology and Biostatistics1301 Cecil B. Moore AvenueRitter Annex, 9th floor, 938Philadelphia, PA 19122wenxue.lin@temple.eduOffice phone: 215-204-8070 |  |

**EDUCATION**

|  |  |
| --- | --- |
| **Pennsylvania State University** **College of Medicine** Ph.D. in EpidemiologyGPA: 3.9/4.0 | Aug 2022 |
| **University of Oklahoma Health Sciences Center** M.S. in EpidemiologyGPA:4.0/4.0  | May 2019 |
| **Washington State University** M.S. in Materials Science and Engineering | May 2016 |
| **Dalian Medical University, China**B.S. in Biotechnology | Jul 2014 |
| **Emporia State University, KS** Exchange Student  | May 2014 |

**TEACHING EXPERIENCE**

|  |  |
| --- | --- |
| **Assistant Professor of Instruction** Department of Epidemiology and BiostatisticsTemple University* EPBI 2219 Biostatistics and Public Health
* EPBI 3101 Introduction to Epidemiology
* EPBI 3102 Introduction to Research Methods
* EPBI 5201 Epidemiological Research Methods I
* EPBI 9289 MPH Fieldwork I
* EPBI 9389 MPH Fieldwork II

**Graduate Teaching Assistant**  | August 2022-PresentFall 2020 |
| Department of Public Health Sciences |  |
| Penn State College of Medicine |  |
| Course: PHS 550 Principles of Epidemiology (via Zoom) |  |
|  |  |
| * Developed and delivered one 3-hour lecture on epidemiological study designs (via Zoom).
* Co-generated course materials with instructor.
* Developed quiz and homework assignment questions.
* Held weekly office hours (via Zoom).
* Responsible for homework lab session and weekly quiz (via Canvas).
* Collaborated with multiple teaching assistants and instructor to design curriculum and grading rubrics.
 |

|  |  |
| --- | --- |
| **Graduate Teaching Assistant** | Fall 2019 |
| Department of Public Health Sciences |  |
| Penn State College of Medicine |  |
| Course: PHS 550 Principles of Epidemiology  |  |
|  |  |
| * Solely responsible for homework lab session, weekly quiz, and exam evaluations.
* Held weekly office hours.
* Designed rubrics for evaluation of student presentations.
* Led discussion of research papers.
* Conducted review secessions on key concepts of epidemiological methods.
* Independently developed lab exercise to encourage students to analyze scientific data with SAS.
 |

**RESEARCH EXPERIENCE**

|  |  |
| --- | --- |
| **Graduate Research Assistant** | Aug 2019-May 2022 |
| Department of Public Health Sciences |  |
| Penn State College of Medicine |  |
| Supervisor: Joshua E. Muscat, Ph.D. |  |
| * Evaluated the health effects of reduced nicotine content cigarettes in smokers with low socioeconomic status (SES). Assessed the impact of nicotine reduction on the subjective responses of very low nicotine content (VLNC) cigarettes from a double-blind randomized clinical trial. Investigated the health effect of progressive nicotine reduction in cigarettes on toxicant exposure among smokers with unipolar mood and/or anxiety disorders.
* Examined two randomized clinical trials of gradually reduced nicotine content cigarettes. Investigated the effect of VLNC cigarettes on biomarkers of smoke exposure, smoking behavior, nicotine dependence, and study compliance by menthol smoking status in smokers with lower income and less education. Addressed menthol cigarettes related health disparities in communities of color, low SES populations, and smokers with mental health conditions.
* Analyzed the case-control data from the International Head and Neck Cancer Epidemiology (INHANCE) consortium to compare cigarette smoking and alcohol consumption risk factors for head and neck cancer between less developed and more developed countries.
* Analyzed the Health Information National Trends Survey (HINTS) 5 (Cycle 3, 2019) to compare the different levels of knowledge about nicotine addiction and perceived harm beliefs of low nicotine content cigarettes between dual tobacco users and exclusive cigarette smokers.
* Examined the National Health and Nutrition Examination Survey (NHANES) 2015-2016 data to compare biomarkers of 26 Harmful and Potentially Harmful Constituents (HPHC) in tobacco smoke between menthol and non-menthol cigarette users. Analyzed NHANES 2015-2016 data to compute and compare urine nicotine metabolite ratio (NMR) between non-Hispanic black and non-Hispanic white cigarette smokers. Performed statistical analysis of NHANES 2015-2016 to study the association between time to first cigarette (TTFC) and biomarkers of tobacco toxicants.
 |

|  |  |
| --- | --- |
| **Graduate Research Assistant** | May 2018-May 2019 |
| Biostatistics and Epidemiology Research Design and Analysis Center |  |
| Department of Biostatistics and Epidemiology |  |
| Hudson College of Public Health  |  |
| University of Oklahoma Health Sciences Center |  |
| Supervisor: Julie A. Stoner, Ph.D. |  |
| * Constructed an effective and sustainable primary healthcare improvement cooperative to disseminate and implement the results of patient-centered outcomes research (Healthy Hearts for Oklahoma [H2O]; Repeated cross-sectional stepped wedge cluster-randomized trial).
* Used REDCap to deploy and manage the online surveys and databases of H2O. Generated survey return reports from Project H2O. Provided statistical consulting to collaborators. Conducted workshop for students on statistical techniques and data analysis used in human subject research. Monitored data quality and completeness of H2O.
* Analyzed the first wave of the Population Assessment of Tobacco and Health (PATH) study (2013-2014). Determined the association between participants’ secondhand smoke (SHS) exposure during childhood and current adulthood exposure with self-reported physical, mental, and overall health outcomes using PATH data. Investigated the association between knowledge of diseases caused by smoking, perceptions of harm of cigarettes and intention to quit among cigarette and e-cigarette users with PATH wave 1 data (2013-2014).
* Analyzed several datasets including PATH, Behavioral Risk Factor Surveillance System (BRFSS), CDC WONDER (Wide-ranging Online Data for Epidemiologic Research), CDC PRAMS (Pregnancy Risk Assessment Monitoring System), and OK2SHARE (Oklahoma Statistics on Health Available for Everyone).
 |

|  |  |
| --- | --- |
| **Graduate Research Assistant** | Apr 2018-Jun 2018 |
| Department of Health Promotion Sciences  |  |
| Hudson College of Public Health  |  |
| University of Oklahoma Health Sciences Center |  |
| Supervisor: Thomas A. Teasdale, DrPH |  |
| * Online course development with Tulane University on elder abuse.
* Created course website in content management system.
* Collaborated with researchers from different disciplines and institutions.
 |

|  |  |
| --- | --- |
| **Graduate Research Assistant** | May 2015-May 2016 |
| School of Mechanical and Materials Engineering  |  |
| Voiland College of Engineering and Architecture |  |
| Washington State University |  |
|  |  |
| * Investigated the corrosion process of magnesium bioimplants.
* Examined the impacts of different environmental conditions on magnesium alloys.
* Studied application and limitation of biodegradable alloys in biomaterials.
* Improved the strength and durability of magnesium implants.
 |

|  |  |
| --- | --- |
| **Undergraduate Research Assistant**Department of Biochemistry and Molecular Biology |  Apr 2011-Jun 2013 |
| Dalian Medical University  |  |
|  |  |
| * Detection of epidermal growth factor receptor mutations in non-small cell lung cancer.
* Collaborated with graduate students and medical students.
 |

**GRANT/CONTRACT SUPPORT**

|  |  |  |
| --- | --- | --- |
| Pennsylvania State University TobaccoCenter of Regulatory Science  Annual Direct Costs: $ 684,762 | NIDAP50DA036107 PI – Joshua Muscat  | **Wenxue Lin****Graduate Research Assistant** 20 hours/week |

|  |  |  |
| --- | --- | --- |
| Pennsylvania State University TobaccoCenter of Regulatory Science  Annual Direct Costs: $ 672,756 | NIDAP50DA036107-05S1 PI – Jonathan Foulds  | **Wenxue Lin****Graduate Research Assistant** 20 hours/week |

|  |  |  |
| --- | --- | --- |
| Disseminating and Implementing PCOR through the Oklahoma Primary Healthcare Extension System Annual Direct Costs:  $ 3,903,234  | AHRQ1R18HS023919-01 PI – Daniel Duffy  | 04/1/2015 – 03/31/2019                     **Wenxue Lin****Graduate Research Assistant** 20 hours/week |

**AWARDS AND HONORS**

|  |  |
| --- | --- |
| Faculty Teaching Award, Temple University  | 2024 |
| Epi-Bio Student-Selected Undergraduate Faculty Teaching Award, Temple University  | 2023 |
| OU Department of Biostatistics and Epidemiology’s Young Alumni Professional Award  | 2023 |
| Alumni Society Award, Penn State University College of Medicine | 2021 |
| Conference of Southern Graduate Schools Master’s Thesis Award Nomination | 2019 |
| State Scholarship, China Scholarship Council (CSC) | 2014 |
| Dean's List, Dalian Medical University | 2010-2013 |

**PUBLICATIONS**

***Published***

**Lin W.** Association Between Time to First Cigarette Use and Urine Biomarkers of Tobacco Exposure in Adult Smokers. *Lung*. 2024 Feb 22. doi: 10.1007/s00408-024-00684-4. Epub ahead of print. PMID: 38386078.

**Lin W.** Understanding the mediation effects of cigarettes per day on time to first cigarette and carcinogen biomarkers: National Health and Nutrition Examination Survey 2015-2016. *Tob Induc Dis*. 2024 Jun 10;22. doi: 10.18332/tid/187766. PMID: 38860151; PMCID: PMC11163879.

Le D, Mullen MT, **Lin W**, Katz PM, Hellerslia V. Comparison of stroke process measures and clinical outcomes between English and Non-English preferring patients. J Stroke Cerebrovasc Dis. 2024 Jul 20;33(9):107880. doi: 10.1016/j.jstrokecerebrovasdis.2024.107880. Epub ahead of print. PMID: 39038629.

**Lin W,** Alfheeaid HA, Alasqah I, Alqarawi N, Alotaibi SA, Alribdi FF, Almutairi S, Lima MJ, Teixeira-Lemos E, Raposo A. Dietary Patterns among Smokers and Non-Smokers: Findings from the National Health and Nutritional Examination Survey (NHANES) 2017-2018. Nutrients. 2024 Jun 27;16(13):2035. doi: 10.3390/nu16132035. PMID: 38999783; PMCID: PMC11243715.

**Lin W.** The Association between Body Mass Index and Glycohemoglobin (HbA1c) in the US Population’s Diabetes Status. *International Journal of Environmental Research and Public Health*. 2024 Apr 23;21(5):517.

**Lin W.** Knowledge of the health consequences of heavy alcohol consumption among individuals with different substance use statuses: A cross-sectional analysis of 2019 HINT Survey. *Chronic Illn*. 2023 Nov 8:17423953231213853.doi: 10.1177/17423953231213853.Epub ahead of print. PMID: 37941341.

**Lin W.** Comparison of urine heavy metals in exclusive menthol and non-menthol cigarette users by race/ethnicity: The 2015-2016 National Health and Nutrition Examination Survey Special Sample. *Tob Prev Cessat.* 2023 Jun 28;9:22. doi: 10.18332/tpc/167389. PMID: 37389307; PMCID: PMC10302213.

**Lin W.** Disparities in Healthcare and HBV Vaccination by Smoking Status: Findings from the National Health and Nutrition Examination Survey (NHANES) 2017-2018. *Healthcare* (Basel). 2023 Dec 23;12(1):41. doi: 10.3390/healthcare12010041. PMID: 38200947; PMCID: PMC10779267.

**Lin W**, Hobkirk AL, Zhu J, Krebs NM, Hayes JE, Richie JP Jr, Liao J, Horn K, Foulds J, Muscat JE. Effect of menthol on nicotine reduction: Pooled results from two double-blind randomized controlled trials. *Brain Res Bull*. 2022 Oct 15;189:131-138. doi: 10.1016/j.brainresbull.2022.08.019. Epub 2022 Aug 28. PMID: 36038015; PMCID: PMC10650975.

**Lin, Wenxue**, Junjia Zhu, John E. Hayes, John P. Richie, and Joshua E. Muscat. "Comparison of carcinogen biomarkers in smokers of menthol and nonmenthol cigarettes: The 2015-2016 National Health and Nutrition Examination Survey Special Sample." *Cancer Epidemiology, Biomarkers & Prevention* (2022). PMID: 35654409; PMCID: PMC9357114

Goyal, Neerav, Max Hennessy, Erik Lehman, **Wenxue Lin**, Antonio Agudo, Wolfgang Ahrens, Stefania Boccia et al. "Risk factors for head and neck cancer in more and less developed countries: Analysis from the INHANCE Consortium." *Oral Diseases* (2022). PMID: 35322907

**Lin, Wenxue**. "Effect of menthol flavor in cigarettes on addiction and toxicant exposure." PhD diss., The Pennsylvania State University, 2022.

**Lin, Wenxue**, and Joshua E. Muscat. Knowledge and Beliefs Regarding Harm From Specific Tobacco Products: Findings From the HINT Survey. *American Journal of Health Promotion* (2021): 08901171211026116. PMID: 34338002

**Lin, Wenxue**, Sydney A. Martinez, Kai Ding, and Laura A. Beebe. Knowledge and Perceptions of Tobacco-Related Harm Associated with Intention to Quit among Cigarette Smokers, e-Cigarette Users, and Dual Users: Findings from the US Population Assessment of Tobacco and Health (PATH) Wave 1. *Substance Use & Misuse* (2021): 1-7. PMID: 33594931

**Lin, Wenxue**, Nicolle M. Krebs, Junjia Zhu, Jonathan Foulds, Kimberly Horn, and Joshua E. Muscat. Comparison between Gradual Reduced Nicotine Content and Usual Nicotine Content Groups on Subjective Cigarette Ratings in a Randomized Double-Blind Trial. *International journal of environmental research and public health* 17, no. 19 (2020): 7047. PMID: 32993116

**Lin, W.** (2019). Knowledge and Perceptions of Harm and Interest in Quitting among Cigarette Smokers and E-Cigarette Users: A Cross-Sectional Analysis of the US Population Assessment of Tobacco and Health Wave 1. Available from Dissertations & Theses @ University of Oklahoma; *ProQuest Dissertations & Theses Global*.

**Lin, Wenxue**, Ning Zou, and Qizhen Li. Mechanical and Biodegradable Behavior of AZ31 Magnesium Alloy Immersed in Simulated Body Fluid. *In Challenges in Mechanics of Time Dependent Materials*, Volume 2, pp. 49-55. Springer, Cham, 2018

**Lin, Wenxue**. Corrosion behavior and mechanical property of AZ 31 magnesium alloy in simulated body fluid. *Diss. Washington State University*, 2016.

**MANUSCRIPTS ACCEPTED/UNDER REVIEW/IN PROGRESS**

**Wenxue Lin**, Nicolle M. Krebs, Junjia Zhu, Sophia I. Allen, Kimberly Horn, Jonathan Foulds, A. Eden Evins, and Joshua E. Muscat. Advancing racial equity for Black smokers in United States tobacco control policy: Pooled results from two Double-Blind Randomized Controlled Trials. *Under review at Journal of Racial and Ethnic Health Disparities*

**Wenxue Lin**, Zachary T. Bitzer, Joshua E. Muscat. Serum vitamin C levels in users of electronic cigarettes (*In preparation*)

**ACCEPTED ABSTRACTS**

Nicolle M. Krebs, **Wenxue Lin**, Sophia I. Allen, Kimberly Horn, Junjia Zhu, Jonathan Foulds, A. Eden Evins, Joshua Muscat“Does race moderate the effects of reduced nicotine content cigarettes among smokers?” 9th Annual Conference Innovations in Tobacco Control and Regulatory Science to Decrease Cigarette Smoking, Vermont Center on Behavior and Health, The University of Vermont, 2021.

**Lin W.** and Martinez SA. "Association Between Secondhand Smoke Exposure and Self-rated Physical, Mental, and Overall Health" Graduate Research Education And Technology (GREAT) Symposium, University of Oklahoma Health Sciences Center, Graduate College, Oklahoma City, OK, 2018.

**POSTER PRESENTATION**

Nicolle M. Krebs, **Wenxue Lin**, Sophia I. Allen, Kimberly Horn, Junjia Zhu, Jonathan Foulds, A. Eden Evins, Joshua Muscat“Does race moderate the effects of reduced nicotine content cigarettes among smokers?” 9th Annual Conference Innovations in Tobacco Control and Regulatory Science to Decrease Cigarette Smoking, Vermont Center on Behavior and Health, The University of Vermont, 2021.

**Lin W.** and Martinez SA. "Association Between Secondhand Smoke Exposure and Self-rated Physical, Mental, and Overall Health" Graduate Research Education And Technology (GREAT) Symposium, University of Oklahoma Health Sciences Center, Graduate College, Oklahoma City, OK, 2018.

**INVITED PRESENTATION**

**Wenxue Lin** “Comparison of carcinogen biomarkers in Smokers with Short and Long Time to First Cigarette: The 2015-2016 National Health and Nutrition Examination Survey Special Sample” Penn State Center for Research on Tobacco and Health (CRTH) meeting, 2023.

**JOURNAL MANUSCRIPTS REVIEWER**

American Journal of Health Promotion

Biological Trace Element Research

Science of the Total Environment

Environmental Sciences Europe

Journal of Racial and Ethnic Health Disparities

Healthcare

Scientific Reports

PLOS One

Medicina

Behavioral Sciences

 Archives of Public Health

Frontiers in Endocrinology

Frontiers in Public Health

Social Sciences

Psychiatry International

Pathogens

Mathematics

Nicotine & Tobacco Research

Substance Use and Misuse

Current Oncology

Journal of Medical Internet Research

International Journal of Molecular Sciences

Sustainability

International Journal of Environmental Research and Public Health

Risks

Children

Applied Sciences

**SERVICE & OUTREACH**

 **Poster Judge**  April 2023

 CPH Research and Evidence-Based Practice Day

 Temple University

 **Invited Faculty** by student-athletes March 2023

 Faculty & Staff Appreciation Practice

 Temple Football

 **MPH /MS Admission Committee**   2022-Present

 Department of Epidemiology and Biostatistics

 Temple University

 **MPH Faculty advising** 2022-Present

|  |  |
| --- | --- |
| Department of Epidemiology and BiostatisticsTemple University**Tutor** 2015-2016 |  |
| Academic Enrichment Center |  |
| Washington State University |  |
| Course: General Virology (MBIOS 442) Statistical Methods in Research (STAT 412) |  |
|  |  |

**PENN STATE LIONS TALK SCIENCE**

**Wenxue Lin** “Are We Winning the War on Tobacco?” Penn State Lions Talk Science.

**PROFESSIONAL MEMEBERSHIPS**

**President,** Oklahoma City Chinese Student’s and Scholar’s Association (OKCCSSA) 2018

**ADVANCEMENT OF TEACHING**

Completion of Advancement of Teaching’s Online Teaching Institute (OTI) Dec 2022

Advancement of Teaching’s Advanced Online Teaching Institute (AOTI) Mar 2023

Center for the Advancement of Teaching (CAT)

Temple University

**LANGUAGES**

Chinese: Native Speaker

Korean: Full professional proficiency

English: Full professional proficiency