Wenxue Lin, Ph.D.

Department of Epidemiology and Biostatistics
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Ritter Annex, 9th floor, 938
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EDUCATION

Pennsylvania State University   Aug 2022
College of Medicine
Ph.D. in Epidemiology
GPA: 3.9/4.0

University of Oklahoma Health Sciences Center   May 2019
M.S. in Epidemiology
GPA:4.0/4.0

Washington State University   May 2016
M.S. in Materials Science and Engineering

Dalian Medical University, China   Jul 2014
B.S. in Biotechnology

Emporia State University, KS   May 2014
Exchange Student

TEACHING EXPERIENCE

Assistant Professor of Instruction   August 2022-Present
Department of Epidemiology and Biostatistics
Temple University

Graduate Teaching Assistant   Fall 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   Apr 2011-Jun 2013
Department of Biochemistry and Molecular Biology
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 Tobacco Center of Regulatory Science	NIDA P50DA036107	**Wenxue Lin** **Graduate Research Assistant** 20 hours/week
Annual Direct Costs: $ 684,762	PI – Joshua Muscat	

Pennsylvania State University Tobacco Center of Regulatory Science	NIDA P50DA036107-05S1	**Wenxue Lin** **Graduate Research Assistant** 20 hours/week
Annual Direct Costs: $ 672,756	PI – Jonathan Foulds	

Disseminating and Implementing PCOR through the Oklahoma Primary Healthcare Extension System	AHRQ 1R18HS023919-01 PI – Daniel Duffy	04/1/2015 – 03/31/2019 **Wenxue Lin** **Graduate Research Assistant** 20 hours/week
Annual Direct Costs: $ 3,903,234		

AWARDS AND HONORS

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, Wenxue, Andrea L. Hobkirk, Junjia Zhu, Nicolle M. Krebs, John E. Hayes, John P. Richie Jr, Jason Liao, Kimberly Horn, Jonathan Foulds, and Joshua E. Muscat. "Effect of Menthol on Nicotine Reduction: Pooled results from two Double-Blind Randomized Controlled Trials." *Brain Research Bulletin* (2022). PMID: 36038015

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

Joshua E. Muscat, **Lin, Wenxue**. Global Perspective on Understanding the Potential Benefits and Risks of E-Cigarette use on Head and Neck Cancer. *J Oral Cancer Res* (2020) 3(1):28-30

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.

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.

SERVICE & OUTREACH

MPH /MS Admission Committee   2022-Present
Epidemiology and Biostatistics Department
Temple University

Tutor   2015-2016
Academic Enrichment Center
Washington State University
Course: General Virology (MBIOS 442)
          Statistical Methods in Research (STAT 412)

PROFESSIONAL MEMEBERSHIPS

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

JOURNAL REVIEWER

American Journal of Health Promotion

Biological Trace Element Research

<u>LANGUAGES</u>

Chinese: Native Speaker

Korean: Full professional proficiency

English: Full professional proficiency