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The University of Texas Health Science Center at Houston

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Email: qian.xiao@uth.tmc.eduGoogle Scholar: <https://scholar.google.com/citations?user=nxmqYmwAAAAJ&hl=en>**EDUCATION**

M.P.H. in Epidemiology, University of Michigan, Ann Arbor, MI, USA	09/2009-05/2011
Ph.D. in Biological Sciences, University of California, San Diego, La Jolla, CA, USA	09/2003-08/2009
B.S. in Life Sciences, University of Science and Technology of China, Hefei, Anhui, China	09/1998-07/2003

ACADEMIC APPOINTMENTS

Associate Professor , Department of Epidemiology, Human Genetics, and Environmental Sciences, The University of Texas Health Science Center at Houston School of Public Health	09/2022-present
Assistant Professor , Department of Epidemiology, Human Genetics, and Environmental Sciences, The University of Texas Health Science Center at Houston School of Public Health	01/2020-08/2022
Assistant Professor , Department of Health and Human Physiology and Department of Epidemiology, University of Iowa	08/2016-12/2019
Research Fellow , National Cancer Institute	07/2015-07/2016
Cancer Prevention Fellow , National Cancer Institute	06/2011-06/2015

RESEARCH INTERESTS

- Investigate the role of neighborhood socioeconomic environment in shaping health behaviors and health disparities.
- Study artificial light at night and other environmental exposures (e.g., heat and air pollution) as a public health hazard and environmental justice issue.
- Determine the role of health behaviors, particularly sleep and rest-activity rhythms, in chronic diseases.
- Examine biological mechanisms that mediate the health effects of behavioral and social factors, particularly focusing on the human metabolome.

GRANTS*ACTIVE*

Principal Investigator	CIELO: Chicago's Initiative for Environmental Justice and Light Pollution Outreach. Award: Earth Action: Community Action for Equity and Environmental Justice, NASA Grant #: 80NSSC25K7030 Period: 10/01/2024-09/30/2027 Direct Cost: \$575,697 (effort: 15%)
Principal Investigator	A validation study of satellite-based measure of artificial light at night for its application in epidemiological research. Award: U01, National Institute of Environmental Health Sciences Grant #: 1UH2ES036681 Period: 09/01/2024-08/30/2026 Direct Cost: \$281,726 (effort: 10%)
Sub-PI/Collaborator	Role of disparities and aging biomarkers in accelerated cardiac aging among adolescent and young adult cancer survivors. (PI: Hildebrandt) Award: R01, National Cancer Institute

Xiao, Qian

The University of Texas Health Science Center at Houston

Grant #: R01CA285599
Period: 07/01/2024-06/30/2028
Effort: 10%

Principal Investigator

Satellite data for environmental justice (SD4EJ).

Award: Tiger Team Award, Health and Air Quality Applied Science Team, NASA
Period: 07/01/2023-02/01/2024
Direct Cost: \$230,000 (effort: 10%)

Principal Investigator

Apply NASA's Earth Observation Products to Improve Artificial Light at Night (ALAN) Mapping and Public Health Surveillance.

Award: Health and Air Quality Applied Science Team Program, NASA
Grant #: 80NSSC21K0510
Period: 01/01/2021-01/01/2025
Direct Cost: \$365,423 (effort: 15%)

MPI (contact PI)

Studying 24-hour Rhythms of Light Exposure, Alignment with Rest-Activity Cycle, and Cardiometabolic Health in a Nationally Representative Sample (MPI: Xiao and Figueiro)

Award: R21, National Heart, Lung, and Blood Institute
Grant #: R21HL165369
Period: 07/01/2022-06/30/2024
Direct Cost: \$149,188 (effort: 10%)

Principal Investigator

Circadian Rest-Activity Rhythms, Metabolomic Profiles, and Incidence of Alzheimer's Disease and Related Dementia in Older Men and Women.

Award: R01, National Institute of Aging
Grant #: R01AG063946
Period: 04/15/2020-03/30/2025
Direct Cost: \$2,074,715 (effort: 25%)

PENDING

Principal Investigator

Mapping artificial light at night (ALAN) as a public health hazard and environmental justice issue: continued surveillance and new directions.

Award: Health and Air Quality Applied Sciences Team, NASA
Period: 02/01/2025-01/31/2029
Direct Cost: \$ 446,329 (effort: 12%)
Status: under review

Principal Investigator

Using satellite data to prepare Texas communities for extreme heat and cold: Risk and public health assessment, community engagement and capacity building.

Award: Earth Action: Supporting Climate Resilient Communities, NASA
Period: 12/01/2024-11/30/2027
Direct Cost: \$575,697 (effort: 15%)
Status: under review

Principal Investigator

The Texas Community Health Worker Sleep Ambassador Program

Award: Community Sleep Health and Public Awareness Grant, American Academy of Sleep Medicine
Period: 12/01/2024-11/30/2026
Direct Cost: \$50,000 (effort: 2%)
Status: under review

Principal Investigator

Neighborhood environment, sleep and rest-activity rhythms, and ADRD disparities

Award: R01, National Institute of Aging
Period: 02/01/2024-01/31/2029
Direct Cost: \$773,958 (effort: 25%)
Status: preparing for resubmission

COMPLETED

Xiao, Qian

The University of Texas Health Science Center at Houston

MPI

Satellite data for environmental justice (SD4EJ). (MPI: Anenberg and Xiao)
Award: Tiger Team Award, Health and Air Quality Applied Science Team, NASA
Period: 09/01/2021-03/01/2023
Direct Cost: \$119,348 (effort: 4%)

Principal Investigator

Rest-Activity Rhythms and Cardiovascular Health in the Elderly: The Role of Metabolomic and Inflammatory Pathways.

Award: American Academy of Sleep Medicine Strategic Research Award
Grant #: 226-SR-20
Period: 09/01/2020-08/31/2022
Direct Cost: \$92,591 (effort: 3%)

Principal Investigator

Neighborhood characteristics and sleep behavior in the NHANES.

Award: Central Plains Research Data Center Seed Fund, Iowa Social Science Research Center
Grant #: NA
Period: 06/01/2018-06/01/2019
Direct cost: \$3,000 (effort: salary support not allowed)

Principal Investigator

Carbamate use and diabetes: The role of melatonin pathway and circadian genes.

Award: Environmental Health Sciences Research Center Pilot Grant, University of Iowa
Grant #: NA
Period: 04/01/2018-03/31/2019
Direct Cost: \$29,612 (effort: salary support not allowed)

Principal Investigator

Preliminary study of neighborhood socioeconomic deprivation, DNA methylation and colorectal cancer risk.

Award: Holden Comprehensive Cancer Center Seed Award, University of Iowa
Grant #: NA
Period: 03/01/2017-03/01/2019.
Direct cost: \$29,612 (effort: salary support not allowed)

Principal Investigator

Changes in Neighborhood Socioeconomic Deprivation and Mortality in a Large Cohort of American Men and Women.

Award: Old Gold Summer Fellowship, University of Iowa
Grant #: NA
Period: 06/01/2017-09/01/2017
Direct Cost: \$6,000 (effort: 10%)

Principal Investigator

Inequalities in Colorectal Cancer: The Influence of Built Environment and Change in Neighborhood.

Award: NCI Director's Innovation Award, National Cancer Institute
Grant #: NA
Period: 01/01/2014-01/01/2015
Direct cost: \$30,000 (effort: salary support not allowed)

Co-Investigator

A pilot for the sleep heart aging study. (PI: Moon)

Award: Center on Aging Collaborative Pilot Fund, University of Iowa
Grant #: NA
Period: 03/01/2018-03/01/2019
Direct Cost: \$30,000 (effort: salary support not allowed)

DECLINED

Principal Investigator

Determinants and Health Consequences of Sleep Deficiency in Agricultural Workers: A Pilot Study.

Award: Great Plains Center for Agricultural Health Pilot Grant, University of Iowa
Grant #: NA
Period: 10/01/2019-04/01/2021
Direct cost: \$30,000 (effort: salary support not allowed)

Declined due to moving to UTHHealth.

PUBLICATIONS**Peer-Reviewed Articles** (* trainee from Dr. Xiao's group; ** other trainee mentored by Dr. Xiao)

PUBLISHED AND IN-PRESS

1. Neally SJ, Rogers BJP, Deng Y, Moniruzzaman M, **Xiao Q**, Tamura K. Understanding the Association Between Neighborhoods and Adolescent Sleep: Evidence from Add Health. *Sleep Epid*. [in press]
2. Hunyadi JV, Zhang K **, **Xiao Q**, Strong L, Bauer C. Spatial and Temporal Patterns of Chronic Disease Burden and Social Vulnerability in US Counties: 2018-2021. *Am J Prev Med*. [in press]
3. Rodriguez E, Tonn T, Jafry M, Ahmed S, Cuglievan B, Livingston JA, Flowers CR, Aune G, Albritton KH, Roth ME, **Xiao Q**, Hildebrandt MAT. Social determinants of health burden among adolescent and young adult cancer patients and impact on overall survival. *JNCI Cancer Spectr*. 2024 Jul 1;8(4). PMID: 39051679
4. Chlebowski RT, Aragaki AK, Pan K, Rohan TE, Luo J, Manson JE, Simon MM, Lavasani S, Wactawski-Wender J, **Xiao Q**, Jung SY, Johnson KC. Estrogen plus progestin and colorectal cancer: long-term findings from the Women's Health Initiative randomized clinical trial. *J Clin Oncol*. 2024 Jul 19;JCO2302092. PMID: 39028918. [online ahead of print]
5. **Xiao Q**, Lipworth-Elliot L, Full K, Rutter MK. Long-term trajectories of sleep duration are associated with incident diabetes in middle-to-older-aged Black and White Americans. *Diabetologia*. 2024 Jun. PMID: 38935155. [Online ahead of print]
6. Leahy S, **Xiao Q**, Yeung CHC, Figueiro M. Associations between circadian alignment and cognitive functioning in a nationally representative sample of older adults. *Sci Rep*. 2024 Jun 12;14(1):13509. PMID: 38866912.
7. Windred DP, Burns AC, Rutter MK, Yeung CHC, Lane JM, **Xiao Q**, Saxena R, Cain SW, Philips AJK. Personal light exposure patterns and incidence of type 2 diabetes: analysis of 13 million hours of light sensor data and 670,000 person-years of prospective observation. *Lancet Reg. Health Eur* 2024 Jun 5:42:100943. PMID: 39070751
8. Nyarko S *, **Xiao Q**. Neighborhood light at night, noise, and long-term sleep trajectories in the Southern Community Cohort Study. *Clocks Sleep*. 2024 Apr 5;6(2):234-245. PMID: 38651391.
9. Alkhulaifi F **, Al-Hooti S, Al-Zenki Sameer, Alomirah H, **Xiao Q**, Chan W, Wu F, Darkoh C. Association of overnight fasting, meal frequency, and meals skipping with metabolic syndrome among Kuwaiti adults. *Nutrients*. 2024 Feb 16(7):984. PMID: 38613017.
10. Bey GS, Pike JR, Zannas AS, Love SM, **Xiao Q**, Yu B, Shah AM, Palta P. The relationship of neighborhood disadvantage, biological aging, and psychosocial risk and resilience factors in heart failure incidence among Black persons: A moderated mediation analysis. *J Gerontol B Psychol Sci Soc Sci*. 2024 Jan 1;79(1):gbad121.. PMID: 37591789.
11. **Xiao Q**, Durbin J, Nagare R, Bauer C, Figueiro M. Alignment between 24-hour light and activity rhythms is associated with diabetes and glycemic control in a nationally representative sample of American adults. *Diabetes Care*. 2023 Dec 1;46(12):2171-2179. PMID: 37734073.
12. Xu J, L Luo, Gamaldo A, Verdery A, Hardy M, Buxton OM, **Xiao Q**. Trends in sleep duration in the U.S. from 2004 to 2018: a decomposition analysis. *SSM - Popul Health*. 2023 Nov 23:25:101562. [eCollection 2024 Mar.] PMID: 38077245
13. Yeung CHC *, Bauer C, **Xiao Q**. Associations between rest-activity rhythms and liver function tests: the US National Health and Nutrition Examination Survey, 2011–2014. *Clocks Sleep*. 2023 Nov 2;5(4):667-685. PMID: 37987396.
14. **Xiao Q**, Zhou M, Lyu Y **, Lu J **, Figueiro M, Wang J, Bauer C. Spatial variations and temporal trends of artificial light at Night (ALAN) in the contiguous U.S. (2012-2019). *Environ. Sci. Pollut. Res*. 2023 Nov;30(54):115870-115881. PMID: 37897576.
15. Yeung CHC *, Lu J **, Soltero EG, Bauer C, **Xiao Q**. Rest-activity patterns among U.S. adolescence: a functional principal component analysis in NHANES 2011-2014. *Int J Behav Nutr Phys Act*. 2023 Oct 13;20(1):125. PMID: 37833691.

16. Yeung CHC *, Bauer C, **Xiao Q**. Associations between actigraphy-derived rest-activity rhythm characteristics and hypertension in United States adults. *J Sleep Res*. 2023 Oct;32(5):e13854. PMID: 36807441.
17. **Xiao Q**, Lyu Y **, Zhou M, Lu J **, Wang J, Bauer C. Associations between light at night and social vulnerability: An environmental justice analysis in the U.S. 2012-2019. *Environ Int*. 2023 Aug; 178:108096. PMID: 37480833.
18. Qian J, **Xiao Q**, Walkup M, Coday M, Erickson M, Unick J, Jakicic JM, Hu K, Scheer FAJL, Middelbeek RJW. Association of timing of moderate-to-vigorous physical activity with changes in glycemic control over 4 years in The Look AHEAD Trial. *Diabetes Care*. 2023 Jul 1;46(7):1417-1424. PMID: 37226675.
19. Nyarko S *, Luo L, Schlundt D, **Xiao Q**. Cross-sectional association between neighborhood socioeconomic status and sleep duration among Black and white men and women: The Southern Community Cohort Study. *Sleep Health*. 2023 Jun;9(3):277-282. PMID: 37045662.
20. Peterson L, Lee H, Huybrechts I, Biessy C, Neuhouser ML, Haaland B, Gunter M, Schulze MB, Jannasch F, Coletta A, Bauer C, **Xiao Q**, Playdon MC. Reliability estimates for assessing meal timing derived from longitudinal repeated 24-hour dietary recalls. *Am J Clin Nutr*. 2023 May;117(5):964-975. PMID: 36921904.
21. Sun Y, Rong S, Liu B, Du Y, Wu Y, Chen L, **Xiao Q**, Snetselaar L, Wallace R, Bao W. Meal skipping and shorter meal intervals are associated with increased risk of all-cause and cardiovascular mortality among US adults. *J Acad Nutr Diet*. 2023 Mar;123(3):417-426.e3. PMID: 35964910.
22. Medgyesi D, Trabert B, Fisher J, **Xiao Q**, James P, White A, Madrigal J, Jones R. Outdoor light at night and risk of endometrial cancer in the NIH-AARP diet and health study. *Cancer Causes Control*. 2023 Feb;34(2):181-187. PMID: 36222982.
23. Heckler B **, Lee M, Stone K, Bauer C, **Xiao Q**. Rest-activity rhythmicity and adiposity in older men: a Hidden Markov Model analysis. *J Biol Rhythms*. 2023 Feb;38(1):87-97. PMID: 36416436.
24. Nyarko S *, Luo L, Schlundt D, **Xiao Q**. Individual and neighborhood socioeconomic status and long-term individual trajectories of sleep duration among Black and White adults: The Southern Community Cohort Study. *Sleep*. 2023 Jan 11;46(1). PMID: 36124765
25. Bey GS, Pike JR, Palta P, Zannas AS, **Xiao Q**, Love S, Heiss G. Biological Age Mediates the Effects of Perceived Neighborhood Problems on Heart Failure Risk Among Black Persons. *J Racial Ethn Health Disparities*. 2022 Dec. [epub ahead of print]. PMID: 36469285.
26. Benzo RM **, Farag A, Whitaker KM, **Xiao Q**, Carr LJ. Examining the impact of 12-hour day and night shifts on nurses' fatigue. *Int J Nurs Stud Adv*. 2022 Dec;4(100076). DOI: 10.1016/j.ijnsa.2022.100076
27. **Xiao Q**, Shadyab AH, Rapp S, Stone KL, Yaffe K, Sampson JN, Chen JC, Hayden KM, Henderson VW, LaCroix AZ. Rest-activity rhythms and cognitive impairment and dementia in older women: Results from the Women's Health Initiative. *J Am Geriatr Soc*. 2022 Oct;70(10):2925-2937. PMID: 35708069
28. Park Y, Ramirez Y, **Xiao Q**, Jones G, Liao L, McGlynn K Outdoor light at night and risk of liver cancer in the NIH-AARP Diet and Health Study. *Cancer Causes Control*. 2022 Sep;33(9):1215-1218. PMID: 35840828
29. **Xiao Q**, Myott E, Schlundt DG, Stancil W. Association of neighborhood economic trajectories with changes in weight status among Black and White adults in the Southeastern US. *JAMA Netw Open*. 2022 Sep 1;5(9):e2230697. PMID: 36074463
30. Bauer C, Zhang K, **Xiao Q**, Lu J **, Hong YR, Suk R. County-level social vulnerability and breast, cervical, and colorectal cancer screening rates in the US, 2018: An ecological study of contextual effects. *JAMA Netw Open*. 2022 Sep;5(9):e2233429. PMID: 36166230
31. Bukhbinder AS, Ling Y, Hasan O, Jiang X, Kim Y, Phelps KN, Schmandt RE, Amran A, Coburn R, Ramesh S, Xiao Q, Schulz PE. Risk of Alzheimer Disease Following Influenza Vaccination: A claims-based cohort study using propensity score matching. *J Alzheimers Dis*. 2022 Aug. 88(3):1061-1074. PMID 35723106
32. **Xiao Q**, Heiss G, Kucharska-Newton A, Bey G, Love S, Whitsel EA. Life-course neighborhood socioeconomic status and cardiovascular events in Black and White adults in the Atherosclerosis Risk in Communities Study. *Am J Epidemiol*. 2022 Jul;191(8):1470-1484. PMID: 35419583
33. Schneider AC *, Moon M, Whitaker K, Zhang D, Carr LJ, Bao W, **Xiao Q**. Cross-sectional and prospective associations between self-reported sleep characteristics and cognitive function in men and women: The Midlife in the United States study. *J Sleep Res*. 2022 Jun;31(3):e13515. PMID: 34766410

Xiao, Qian

The University of Texas Health Science Center at Houston

34. Schneider AC *, Moon M, Whitaker K, Zhang D *, Carr LJ, Bao W, **Xiao Q**. Association of sleep with risk of Alzheimer's disease mortality: NIH-AARP diet and health study. *J Appl Gerontol*. 2022 Apr;41(4):1057-1065. PMID: 34109847
35. **Xiao Q**, Lu J **, Zeitzer JM, Matthews CE, Saint-Maurice P, Bauer C. Rest-activity profiles among U.S. adults in a nationally representative sample: a functional principal component analysis. *Int J Behav Nutr Phys Act*. 2022 Mar 24;19(1):32. PMID: 35331274
36. **Xiao Q**, Matthews CE, Playdon M, Bauer C. The association between rest-activity rhythms and glycemic markers: the US National Health and Nutrition Examination Survey, 2011-2014. *Sleep*. 2022 Feb. 14;45(2):zsab291. PMID: 34897522
37. **Xiao Q**, Sampson J, LaCroix A, Shadyab, AH, Zeitzer JM, Ancoli-Israel S, Yaffe K, Stone K. Nonparametric parameters of 24-hour rest-activity rhythms predict long-term cognitive decline and incident cognitive impairment in older men. *J Gerontol A Biol Sci Med Sci*. 2022 Feb 3;77(2):250-258. PMID: 34558603
38. **Xiao Q**, Qian J, Evans DS, Redline S, Lane NE, Ancoli-Israel S, Scheer FAJL, Stone K. Cross-sectional and prospective associations of rest-activity rhythms with circulating inflammatory markers in older men. *J Gerontol A Biol Sci Med Sci*. 2022 Jan 7;77(1):55-65. PMID: 33822930
39. **Xiao Q**, Gierach GL, Bauer C, Blot WJ, James P, Jones RR. The association between outdoor light at night and breast cancer risk in black and white women in the Southern Community Cohort Study. *Environ Health Perspect*. 2021 Aug;129(8):87701. PMID: 34379524
40. Zhang D *, Jones RR, James P, Kitahara CM, **Xiao Q**. Associations between artificial light at night and risk for thyroid cancer: a large US cohort study. *Cancer*. 2021 May;127(9):1448-1458. PMID: 33554351
41. Benzo RM **, Farag A, Whitaker KM, **Xiao Q**, Carr LJ. A Comparison of occupational physical activity and sedentary behavior patterns of nurses working 12-Hour day and night shifts. *Int J Nurs Stud Adv*. 2021 Nov;3:100028. DOI: 10.1016/j.ijnsa.2021.100028
42. Farag A, Moon C, **Xiao Q**. Work and personal characteristics associated with sleep behavior among acute care nurses. *J Nurs Regul*. 2021 Apr;12(1):40-51. DOI: 10.1016/S2155-8256(21)00019-3
43. **Xiao Q**, Jones RR, James P, Stolzenberg-Solomon R. Light at Night and Risk of Pancreatic Cancer in the NIH-AARP Diet and Health Study. *Cancer Res*. 2021 Mar 15;81(6):1616-1622. PMID: 33514513
44. **Xiao Q**, Bauer C, Layne T, Playdon M. The Association between Overnight Fasting and Body Mass Index in Older Adults: The Interaction between Duration and Timing. *Int J Obesity*. 2021 Mar;45(3):555-564. PMID: 33214704.
45. Xin J, Zhao L, Wu T, Zhang L, Li Y, Xue H, **Xiao Q**, Wang R, Xu P, Visscher T, Ma X, Jia P. Association between access to convenience stores and childhood obesity: a systematic review. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e12908. PMID: 31274248.
46. Zhou Q, Zhao L, Zhang L, **Xiao Q**, Wu T, Visscher T, Zhao J, Xin J, Yu X, Xue H, Li H, Pan J, Jia P. Neighborhood supermarket access and childhood obesity: A systematic review. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e12937. PMID: 31482658.
47. Jia P, Luo M, Li Y, Zheng J, **Xiao Q**, Luo J. Fast-food restaurant, unhealthy eating, and childhood obesity: a systematic review and meta-analysis. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e12944. PMID: 31507064.
48. Jia P, Zou Y, Wu Z, Zhang D, Wu T, Smith M, **Xiao Q**. Street connectivity, physical activity, and childhood obesity: a systematic review and meta-analysis. *Obes Rev*. Feb;22 Suppl 1(Suppl 1):e12943. PMID: 31507068.
49. Li Y, Luo M, Wu X, **Xiao Q**, Luo J, Jia P. Grocery store access and childhood obesity: a systematic review and meta-analysis. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e12945. PMID: 31650697.
50. Wang Z, Zhao L, Huang Q, Hong A, Yu C, **Xiao Q**, Zou B, Ji S, Zhang L, Zou K, Ning Y, Zhang J, Jia P. Traffic-related environmental factors and childhood obesity: a systematic review and meta-analysis. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e12995. PMID: 32003149.
51. Mei K, Huang H, Xia F, Hong A, Chen X, Zhang C, Qiu G, Chen G, Wang Z, Wang C, Yang B, **Xiao Q**, Jia P. State-of-the-art of measures of the obesogenic environment for children. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e13093. PMID: 32725754.
52. Jia P, Yang H, Cao X, Yuan C, **Xiao Q**, Yang S, Wang Y. Association between access to full-service restaurants and childhood obesity. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e13076.. PMID: 32618058.

Xiao, Qian

The University of Texas Health Science Center at Houston

53. Luo L, Buxton OM, Almeida DM, Gamaldo AA, **Xiao Q**. Opposite educational gradients in sleep duration between Black and White adults, 2004-2018. *Sleep Health*. 2021 Feb;7(1):3-9. PMID: 33358437.
54. Zhang D *, Bauer C, Powell-Wiley T, **Xiao Q**. Association of Long-Term Trajectories of Neighborhood Socioeconomic Status with Weight Change in Older Adults. *JAMA Netw Open*. 2021 Feb 1;4(2):e2036809 PMID: 33544146.
55. **Xiao Q**, James P, Breheny P, Jia P, Park Y, Zhang D *, Fisher JA, Ward M, Jones RR. Outdoor light at night and breast cancer risk in the NIH-AARP Diet and Health Study. *Int J Cancer*. 2020 Nov 1;147(9):2363-2372. PMID: 32488897.
56. **Xiao Q**, Qian J, Evans DS, Redline S, Lane NE, Ancoli-Israel S, Scheer FAJL, Stone K. Cross-sectional and prospective associations of rest-activity rhythms with metabolic markers and type 2 diabetes in older men. *Diabetes Care*. 2020 Nov;43(11):2702-2712. PMID: 32887712.
57. Schneider AC *, Zhang D *, **Xiao Q**. Sleep duration, timing and weekday-weekend differences are associated with overweight and obesity in adolescents. *Sci Report*. 2020 Aug;10(1):13277. PMID: 32764616.
58. Zhang K, Reiningger B, Lee M, **Xiao Q**, Bauer C. Individual and Community Level Social Determinants of Health on Diabetes Management from a Mexican American Population. *Front Public Health*. 2021 Feb. 8:633340. PMID: 33614572
59. Yang S, Chen X, Wang L, Wu T, Fei T, **Xiao Q**, Zhang G, Ning Y, Jia P. Walkability indices and childhood obesity: a review of epidemiological evidence. *Obes Rev*. 2021 Feb;22 Suppl 1(Suppl 1):e13096. PMID: 33185012
60. Zhang D *, Jones RR, James P, Jia P, Powell-Wiley T, **Xiao Q**. A large prospective investigation of outdoor light at night and obesity in the NIH-AARP Diet and Health Study. *Environ Health*. 2020 Jul;19(1):74. PMID: 32611430
61. **Xiao Q**, Chaput J, Olds T, Fogelholm M, Hu G, Lambert EV, Maher C, Maia J, Onywera V, Sarmiento OL, Standage M, Tremblay, MS, Tudor-Locke C, Katzmarzyk P. Sleep characteristics and health-related quality of life in 9- to 11-year-old children from 12 countries. *Sleep Health*. 2020 Feb;6(1):4-14.
62. **Xiao Q**, Gee G, James P, Jones RR, Hale L. The association between outdoor light at night and sleep duration in middle-to-older aged men and women: the NIH-AARP Diet and Health Study. *Environ Res*. 2020 Jan;180:108823. PMID: 31699637
63. Jia P, Yu C, Remais JV, Stein A, Liu Y, Brownson RC, Lakerveld J, Wu T, Yang L, Smith M, Amer S, Pierce J, Kestens Y, Kwan M, Lai S, Xu F, Chen X, Rundle A, **Xiao Q**, Xue H, Luo M, Zhao L, Cheng G, Yang S, Zhou X, Li Y, Panter J, Kingham S, Jones A, Johnson B, Shi X, Zhang L, Yang L, Wang L, Wu J, Mavoia S, Toivonen T, Mwenda K, Wang Y, Verschuren M, Vermeulen R, James P. Spatial lifecourse epidemiology reporting standards (ISLE-ReSt) statement. *Health Place*. 2020 Jan; 61:102243PMID: 32329723
64. Guan Y, Zhang M, Zhang X, Zhao Z, Huang Z, Li C, **Xiao Q**, Wang L. Association between sleep duration and hypertension of migrant workers in China. *BMJ Open*. 2019 Nov;9(11):e031126. PMID: 31784437
65. **Xiao Q**, Blot W, Matthews CE. Weekday and weekend sleep duration and morality among middle-to-older aged White and Black adults in a low-income southern US cohort. *Sleep Health*. 2019 Oct;5(5):521-527. PMID: 31204307
66. **Xiao Q**, Garaulet M, Scheer FA. Meal timing and obesity: interactions with macronutrient intake and chronotype. *Int J Obesity*. 2019 Sep;43(9):1701-1711. PMID: 30705391
67. Jia P, Lakerveld J, Wu J, Stein A, Root E, Sabel CE, Vermeulen R, Remais JV, Chen X, Brownson RC, Amer S, **Xiao Q**, Wang L, Verschuren M, Wu T, Wang Y, James P. Top 10 research priorities in Spatial Lifecourse Epidemiology. *Environ Health Perspect*. 2019 Jul;127(7):74501. PMID: 31271296
68. Jia P, Stein A, James P, Brownson RC, Wu T, **Xiao Q**, Wang L, Sabel CE, Wang Y. Earth observation: Investigating non-communicable diseases from space. *Annu Rev Public Health*. 2019 Apr; 40:85-104 PMID: 30633713
69. Whitaker K, **Xiao Q**, Gabriel KP, Larsen PG, Jacobs D, Sidney S, Reis JP, Gibbs BB, Sternfeld B, Kershaw K. Perceived and objective characteristics of the neighborhood environment are associated with accelerometer-measured sedentary time and physical activity, the CARDIA Study. *Prev Med*. 2019 Mar; 123:242-249. PMID: 30940573

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79. **Xiao Q**, Arem H, Pfeiffer RM, Matthews CE Pre-diagnosis sleep duration, napping and mortality among colorectal cancer survivors in a large US cohort. *Sleep*. 2017 Apr;40(4):zsx010. PMID: 28329353
80. **Xiao Q**, Berrigan D, Matthews CE. A prospective investigation of neighborhood socioeconomic deprivation and self-rated health in a large US cohort. *Health and Place*. 2017 Mar; 44:70-76. PMID: 28183012
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98. **Xiao Q**, Park Y, Hollenbeck A, Kitahara CM. Dietary flavonoid intake and thyroid cancer risk in the NIH-AARP Diet and Health Study. *Cancer Epidemiol Biomarkers Prev.* 2014 Jun; 23(6):1102-1108. PMID: 24740205
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101. Moore SC, Matthews CE, Sampson JN, Stolzenberg-Solomon RZ, Zheng W, Cai Q, Tan YT, Chow WH, Ji BT, Liu DK, **Xiao Q**, Boca SM, Leizmann MF, Yang G, Xiang YB, Sinha R, Shu XO, Cross AJ. Human metabolic correlates of body mass index. *Metabolomics.* 2014 Apr; 10:259-269. PMID: 25254000
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Xiao, Qian

The University of Texas Health Science Center at Houston

106. **Xiao Q**, Murphy RA, Houston DK, Harris TB, Chow W, Park Y. Dietary and supplemental calcium intake and cardiovascular disease mortality: the National Institutes of Health-AARP diet and health study. *JAMA Intern Med.* 2013 Apr; 173(8):639-646. PMID: 23381719
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UNDER REVIEW

1. Zhang L, Lee KAV, Stone K, LaCroix A, Shadyab AH, Yaffe K, Redline S, Kado D, Yeung CHC, Wang S, Huang Y, **Xiao Q**. Metabolomic Biomarkers of Rest Activity Rhythms in Older Men: Unraveling the Molecular Mechanisms and Implications for Aging and Health. (submitted to *SLEEP*)
2. Zhang L, Lee KAV, Stone K, LaCroix A, Yaffe K, Shadyab AH, Hayden K, Casanova R, Rapp S, Chen JC, Baker L, Manson JE, Yeung CHC, Huang Y, **Xiao Q**. Metabolomic Biomarkers of Rest Activity Rhythms in Older Women: results from the Women's Health Initiative (WHI) Study. (submitted to *SLEEP*)
3. **Xiao Q**, Feng Q, Rutter MK, Albalak G, Wang H, Noordam R. Associations between the timing of 24-hour physical activity and diabetes mellitus: results from a nationally representative sample of the US. (submitted to *Diabetologia*)
4. Yiallourou S, Baril A, Wiedner C, Misialek JR, Kline CE, Harrison S, Cannon E, Yang Q, Bernal R, Bisson A, Himali D, Cavuoto M, Weihs A, Beiser A, Gottesman RF, Leng Y, Lopez O, Lutsey PL, Purcell SM, Redline S, Seshadri S, Stone KL, Yaffe K, Ancoli-Israel S, **Xiao Q**, Vaou EO, Himali JJ, Pase MP. Sleep macro-architecture and dementia risk in adults: Meta-analysis of 5 cohorts from the Sleep and Dementia Consortium. (submitted to *Nuerology*)
5. Baydoun HA, Beydoun M, Kinney R, Liu S, Yu R, Allison M, Wallace R, **Xiao Q**, Liu L, Gradidge P, Jung SY, Tindle H, Follis S, Brunner R, Tsai J. Pathways from socioeconomic factors to major cardiovascular events among postmenopausal veteran and non-veteran women: Findings from the Women's Health Initiative. (submitted to *J Am Heart Assoc.*)
6. Wadden E, Yogeswaran V, Ray R, Vasbinder A, Shadyab AH, **Xiao Q**, Richey P, Saquib N, Sun Y, Jung SY, Pichardo MS, Manson J, Anderson G, Redding K, Barac A, Cheng R. Social Determinants of Cardiovascular Disease in US Women with and without Breast Cancer. (submitted to *J Am Heart Assoc.*)
7. Full KM, Shi H, Lipworth L, **Xiao Q**. Associations of long-term sleep duration trajectories with overall and cause-specific mortality among middle-to-older aged Black and White adults. (submitted to *Circulation*)
8. Tamura K, **Xiao Q**, Moniruzzaman M, Deng Y, Forde AT, Liao L, Jones R, Powell-Wiley T. Mediation of the association between neighborhood deprivation and sleep health by physical activity and TV viewing: Findings from a large U.S. cohort. (submitted to *Sleep Health*).
9. Alkhulaifi F **, Al-Hooti S, Al-Zenki Sameer, Alomirah H, **Xiao Q**, Chan W, Wu F, Darkoh C. Association of meal frequency, nightly fast, skipping meals, and late-night meals with obesity in Kuwaiti adults. (Submitted to *nutrients*)
10. Lu J **, **Xiao Q**, Bauer C. A Bayesian Circadian Hidden Markov Model to infer rest-activity rhythms using 24-hour actigraphy data. (Submitted to *Stat Med.*)

IN PREPARATION

1. Shi H, Lipworth L, **Xiao Q**, Han X, Mumma M, Keohane LM, Yu D, Hohman TJ, Full KM. Sleep duration trajectories in mid-life and incident ADRD among low-income adults in the Southern Community Cohort Study.
2. Yeung CHC *, Wright AK, Windred DP, Burns AC, Phillips AJK, Cain SW, Rutter MK, **Xiao Q**. Impaired rest-activity rhythm characteristics predict higher incident diabetes: a UK Biobank study.
3. Garduno AC, Natarajan L, McEvoy L, Smarr B, Parado H, Gallo L, **Xiao Q**, Full K, Baker LD, Eaton CB, Hayden K, Henderson VW, Ikramuddin F, Liu L, Hery C, LaCroix AZ. Bayesian network analysis of rest-activity rhythms, Alzheimer's Disease and dementia among diverse older women in the Women's Health Initiative.

Xiao, Qian

The University of Texas Health Science Center at Houston

4. Garduno AC, Viswanath V, Smarr B, McEvoy L, **Xiao Q**, Full K, Gallo L, Parada H, Crandall C, Cauley J, Tinker LF, LaCroix AZ. Sleep pattern clusters, physical function and fall risk: geriatric syndromes among older ambulatory women.
5. Booker BD, **Xiao Q**, James P, Jones RR, Mucci L, Chowdhury-Paulino I, Iyer H, Markt SC. Light at night and prostate cancer risk and mortality: NIH-AARP Diet and Health Study.
6. Peterson L, Gunter M, **Xiao Q**, Haaland B, Huybrechts I, Biessy C, Playdon M. Association of meal timing with survival among adults diagnosed with colorectal cancer in the European Prospective Investigation into Diet and Cancer (EPIC).
7. **Xiao Q**, Jones R. Artificial light at night (ALAN) and total, cardiovascular and cancer mortality in Black and White adults in the United States.
8. Lu J **, **Xiao Q**, Bauer C. Methodological advances in analyzing rest-activity rhythms: A comprehensive comparison using 24-hour actigraphy data with application to 2011-2014 NHANES data.
9. **Xiao Q**, Li H, Meng L. Long-term association between exposure to summer heat and mortality in Black and White adults in the southeastern U.S.: a prospective analysis in the Southern Community Cohort Study.

Book Chapter

1. Hale L, James S, **Xiao Q**, Billings M, Jonson D. 2019 "Neighborhood Factors Associated with Sleep Health" Chapter 7 in *Sleep and Health* Ed. Michael Grandner
2. Stone K, **Xiao Q** Impact of Poor Sleep on Physical and Mental Health in Older Women. *Sleep Med Clin*. 2018 Sep; 13 (3) 457-465. PMID: 30098759

PRESENTATIONS

INVITED TALKS

1. **Xiao Q** What data do we need for studying light pollution as an EJ issue and public health hazard? *NASA Health and Air Quality Applied Sciences Team meeting*. (Boston, Massachusetts) 2024
2. **Xiao Q** Light at night: alignment with rest-activity, association with diabetes and implications in environmental justice. *Texas Society for Circadian Biology and Medicine Meeting*. (College Station, Texas) 2024.
3. **Xiao Q** Artificial light at night (ALAN): spatiotemporal patterns, health consequences and environmental justice. Center for the Investigation of Environmental Hazards, NYU (online) 2024
4. **Xiao Q** Satellite data for environmental justice: the SD4EJ Team. *NASA Health and Air Quality Applied Sciences Team meeting*. (Salt Lake City, Utah) 2023
5. **Xiao Q** Studying circadian disruption and health outcomes: a multi-layered approach. *UCSD T32 seminar* (online) 2023
6. **Xiao Q** Spatiotemporal patterns of artificial light at night: demographic and socioeconomic correlates. *NASA Health and Air Quality Applied Sciences Team meeting*. (St Louis, Missouri) 2023
7. **Xiao Q** Kerr G. Earth observation for environmental justice. *American Geophysical Union Annual Meeting*. (Chicago, Illinois) 2022
8. **Xiao Q** Artificial light at night: an emerging environmental hazard and public health priority. *NASA Health and Air Quality Applied Sciences Team meeting*. (Madison, Wisconsin) 2022
9. **Xiao Q** Light at night as an environmental justice issue. *Air and Waste Management Association Annual Conference and Exhibition*. (San Francisco, California) 2022
10. **Xiao Q** Light at night: a public health and environmental justice issue. *NASA Health and Air Quality Applied Sciences Team meeting*. (Houston, Texas) 2022
11. Circadian disruption and metabolic health. *Seminars in Metabolism*. University of Utah 2021.
12. Neighborhood Socioeconomic and Physical Environment and Health Disparities. *NCI Geographic Analysis Working Group Meeting*. NCI (Bethesda, MD) 2020
13. Contextual socioeconomic status and CVD: current challenges and future directions. *NHLBI Workshop on Social Determinants of Cardiometabolic Health, Disease, and Health Disparities: Setting an Agenda for Research*. NIH (Bethesda, MD) 2019

Xiao, Qian

The University of Texas Health Science Center at Houston

14. Studying neighborhood socioeconomic deprivation and health behaviors and outcomes in large health cohorts. *The 1st International Symposium on Lifecourse Epidemiology and Spatial Science* (Leiden, Netherland) 2018
15. Studying neighborhood socioeconomic deprivation and health in the NIH-AARP Diet and Health Study. *American Association of Geographers* (Boston, MA) 2017
16. Studying sleep, circadian rhythm and cardiometabolic health: a multi-layered approach. *Frontiers in Obesity, Diabetes and Metabolism Seminar*. University of Iowa (Iowa City, IA) 2017
17. Sleep, circadian rhythms and cardiometabolic health: a multi-layered approach. *Oregon Health and Science University* (Portland, OR) 2016
18. Sleep duration, timing of sleep and the human metabolome. *Trans-NIH Sleep Research Coordination* (Bethesda, MD) 2015
19. Sleep, obesity and cancer. *National Heart Lung and Blood Institute* (Bethesda, MD) 2015
20. Studying obesity and obesity-related diseases: A multi-layered approach. *University of Michigan* (Ann Arbor, MI) 2014

CONFERENCE PRESENTATION (ORAL)

1. **Xiao Q.** Artificial light at night and social vulnerability: an environmental justice analysis. *American Geophysical Union Annual Meeting*. (San Francisco, CA) 2023
2. **Xiao Q** 24-hour rest-activity patterns and health. *2022 International Conference on Ambulatory Monitoring of Physical Activity and Movement*. (Keystone, Colorado)
3. **Xiao Q** Social factors and patterns of diurnal behaviors in human populations. *2022 Society for Research on Biological Rhythms Biennial Conference*. (Amelia Island, Florida)
4. **Xiao Q** Evans DS, Redline S, Lane N, Ancoli-Israel S, Stone KL Cross-sectional and longitudinal relationships between rest-activity rhythms and circulating inflammatory markers in older men: The Osteoporotic Fractures in Men Sleep Study. *2019 World Sleep Congress*. (Vancouver, Canada)
5. **Xiao Q** Evans DS, Redline S, Lane N, Ancoli-Israel S, Stone KL Cross-sectional and longitudinal relationships between rest-activity rhythms and metabolic markers in older men: The Osteoporotic Fractures in Men Sleep Study. *2019 Annual meeting of the Associated Professional Sleep Societies*. (San Antonio, TX)
6. **Xiao Q** Habitual Sleep and the Human Metabolome. *2017 International Sleep and Circadian Biomarkers Workshop* (Boston, MA)
7. Zhang D *, **Xiao Q** Neighborhood Socioeconomic Status Trajectory and Colorectal Cancer. *2018 Society for Epidemiologic Research Annual Meeting*. (Baltimore, MD)
8. **Xiao Q,** H Arem, Matthews CE Pre-diagnosis sleep duration, napping and mortality among colorectal cancer survivors in a large US cohort. *2016 Annual meeting of the Associated Professional Sleep Societies*. (Denver, CO)
9. **Xiao Q,** Murphy R, Houston D, Harris T, Chow WH, Park Y Dietary and supplemental calcium intake and cardiovascular mortality. *2012 Society for Epidemiologic Research Annual Meeting*. (Minneapolis, MN)

CONFERENCE PRESENTATION (POSTER)

1. **Xiao Q,** Zhou M, Lyu Y **, Lu J **, Figueiro M, Wang J, Bauer C. Spatial variations and temporal trends of artificial light at Night (ALAN) in the contiguous U.S. (2012-2019). *ALAN 2023* (Calgary, Canada)
2. Qian J, **Xiao Q,** Walkup M, Coday M, Erickson M, Unick J, Jakicic JM, Hu K, Scheer FAJL, Middelbeek RJW. Timing of Moderate-to-Vigorous Physical Activity is Associated with Improvements in Glycemic Control in Type 2 Diabetes in the Look AHEAD Study. *2022 American Diabetes Association Scientific Sessions*. (New Orleans, LA)
3. **Xiao Q,** Bauer C. Creating personalized rhythmic profiles of activity and diet for precision nutrition. *2021 NIDDK Precision Nutrition workshop*. (Online)
4. Moon C, Cole RAC, **Xiao Q,** Voss MW. Associations between Rest-Activity Patterns and Resting-State Networks in Older Adults. *2019 Annual meeting of the Associated Professional Sleep Societies*. (San Antonio, TX)
5. Zhang D *, **Xiao Q** Neighborhood socioeconomic status trajectory and excessive weight change 2019 *Society for Epidemiologic Research Annual Meeting*. (Minneapolis, MN)

Xiao, Qian

The University of Texas Health Science Center at Houston

6. Schneider A *, Zhang D *, **Xiao Q** Adolescent sleep variable and BMI outcomes from the Family Life, Activity, Sun, Health, and Eating Study (FLASHE) 2019 *Advances in Sleep & Circadian Science* (Clearwater Beach, FL)
7. Gordon-Dseagu VL, Derkach A, **Xiao Q**, Williams I, Sampson J and Stolzenberg-Solomon R The association of sleep with metabolic pathways and metabolites: evidence from the Dietary Approaches to Stop Hypertension (DASH)-Sodium Feeding Study 2018 *AACR Annual Meeting* (Chicago, IL)
8. **Xiao Q**, Garaulet M, Scheer FA. Timing of energy and macronutrient intake, sleep timing and body mass index 2017 *European Biological Rhythms Society Conference* (Amsterdam, Netherland)
9. **Xiao Q**, Berrigan D, Powell-Wiley T, Matthews CE. Changes in neighborhood socioeconomic deprivation and mortality in US adults 2017 *Society for Epidemiologic Research Annual Meeting*. (Seattle, WA)
10. **Xiao Q** A large cross-sectional study of the associations between neighborhood and individual socioeconomic status and sleep and napping 2017 *Annual meeting of the Associated Professional Sleep Societies*. (Boston, MA)
11. **Xiao Q**, Berrigan D, Matthews CE A prospective investigation of neighborhood socioeconomic deprivation and weight change in a large US cohort 2016 *Society for Epidemiologic Research Annual Meeting*. (Miami, FL)
12. **Xiao Q**. Sleep deficiency, circadian disruption, and cardiometabolic health: a multilayered approach 2015 *Sleep Research Network Annual Meeting*. (Bethesda, MD)
13. **Xiao Q**, Matthews CE. Sleep duration, timing of sleep and the human metabolome 2015 *Annual meeting of the Associated Professional Sleep Societies*. (Seattle, WA)
14. **Xiao Q**, Graubard BI, Berrigan D, Matthews CE. A prospective investigation of socioeconomic deprivation and self-rated health in a large US cohort 2014 *Society for Epidemiologic Research Annual Meeting*. (Seattle, WA)
15. **Xiao Q**, Matthews CE. Relationship between Sleep Characteristics and Adiposity in a Nationally-Representative Sample. 2013 *Obesity Week*. (Atlanta, GA)
16. **Xiao Q**, Liao L, Matthews CE, Hofmann JN, Colt J. Physical activity and renal cell carcinoma among black and white Americans. 2013 *American Institute for Cancer Research Annual Meeting*. (Bethesda, MD)
17. Lin SW, Park Y, Freedman ND, **Xiao Q**, Hollenbeck A, Abnet CC. Multivitamin use is associated with increased total and cause-specific mortality in the NIH-AARP Diet and Health Study. 2013 *American Institute for Cancer Research Annual Meeting*. (Bethesda, MD)
18. **Xiao Q**, Park Y, Kitahara CM. Intakes of dietary flavonoids and thyroid cancer risk in a large prospective study. 2013 *Society for Epidemiologic Research Annual Meeting*. (Boston, MA)
19. **Xiao Q**, Matthews CE. A large prospective investigation of sleep duration, weight change and obesity in the NIH-AARP Diet and Health Study Cohort. 2013 *Sleep Annual Meeting*. (Baltimore, MD)
20. **Xiao Q**, Ren JS, Abnet CC, Park Y. Intakes of folate, methionine, and vitamin B6 and B12 and risk of esophageal and gastric cancer in a large cohort study. 2012 *AACR Frontiers in Cancer Prevention Research* (Anaheim, CA).
21. **Xiao Q**, Spitzer NC Mechanisms underlying target regulation of transmitter expression in spinal neurons in culture. 2008 *Society for Neuroscience Annual Meeting*. (Washington D. C.)
22. **Xiao Q**, Spitzer NC Target regulation of transmitter expression in spinal neurons in culture. 2007 *Society for Neuroscience Annual Meeting*. (San Diego, CA.)

TEACHING/MENTORING

TEACHING

The University of Texas Health Science Center at Houston

Instructor **Experimental Methods in Epidemiology** (PH2712)

Semester/year: Spring 2021-present

Co/Lead-Instructor **Cancer Epidemiology** (PH2745)

Semester/year: Summer 2021-present

Xiao, Qian
University of Iowa

The University of Texas Health Science Center at Houston

Instructor	Research Methods and Ethics (HHP:6020) Semester/year: Fall 2017-Fall 2019
Instructor	Policy, Environmental, and Social Determinants of Health (HHP:4030) Semester/year: Spring 2017-Spring 2019
Co-Instructor	Seminar in Health Promotion (HHP:6500) Semester/year: Spring 2017-Spring 2019
Guest Lecturer	Obesity: Causes, Consequences, Prevention and Treatment (HHP:3050) Semester/year: Fall 2016
Guest Lecturer	Behavioral and Clinical Health Assessment (HHP:4010) Semester/year: Fall 2016
Guest Lecturer	Introduction to Molecular Epidemiology (EPID:5560) Semester/year: Spring 2019

MENTORING

The University of Texas Health Science Center at Houston

- Post-doctoral Fellow
 - Samuel Nyarko, 09/2020 – 06/2022
 - Ho Ching (Chris) Yeung, 01/2022- 02/2024
 - Erika Figueroa-Solis, 07/2023-present
- Graduate Student
 - DISSERTATION COMMITTEE*
 - Jiachen Lu, PhD student, 08/2022-05/2024
 - Fatema Alkhulaifi, PhD student, 10/2022-03/2024
 - Brian Heckler, MS student, 07/2020 – 07/2021
 - Haley Barnes, MS student, 07/2021 – 08/2022
 - Fatima Sheriff, PhD student, 05/2022-present
 - Benisco Voltaire, PhD student, 10/2022-present
 - Jennifer Wang, PhD student, 03/2024-present
 - ACADEMIC ADVISOR*
 - Rachel Farias, PhD student, 08/2020 – 03/2022
 - Taylor Anderson, MPH student, 08/2020 – 06/2022
 - Abiya Anna Joshy, MPH student, 11/2020 – present
 - Kimberly Morrison, MPH student, 08/2021-present
 - Janae Edwards, MPH student, 08/2021-present
 - Ahmed Elaileh, MPH student, 08/2021-present
 - Krithika Ganesh, MPH student, 03/2022-present

University of Iowa

- Post-doctoral Fellow
 - Dong Zhang, 09/2017- 12/2019
- Graduate Student
 - DISSERTATION ADVISOR*
 - Aaron Schneider (dissertation advisor), PhD student, 01/2018 – 03/2020
 - DISSERTATION COMMITTEE*
 - Piroska Boros (dissertation committee), PhD student, 04/2018 – 07/2020
 - Minsuk Oh (dissertation committee), PhD student, 12/2018 – 11/2019
 - Katie Hosteng (dissertation committee), PhD student, 07/2017 – 12/2019
 - Roberto Benzo (dissertation committee), PhD student, 05/2017 – 10/2019
 - Kristen Metcalf (dissertation committee), PhD student, 01/2017 – 08/2018
 - Madeline Dohleman (dissertation committee), MS student, 12/2018 – 12/2019

SERVICE

INSTITUTIONAL SERVICE

Admissions Committee, member, UTHealth SPH	10/2020-present
Curriculum Committee, member, UTHealth SPH	09/2023-present
Preliminary Exam Committee, member, UTHealth SPH	03/2022-06/2024
Departmental Undergraduate Curriculum Committee, member, University of Iowa	02/2018-12/2019
Departmental Tenure-track faculty Search Committee, member, University of Iowa	01/2018-06/2019
Departmental Lecturer Search Committee, member, University of Iowa	06/2017-06/2019
Technical Evaluation of Protocols Committee, member, NCI	06/2015-06/2016
Fellows Editorial Board, member, NCI	09/2011-12/2013
Cancer Prevention Fellowship Fall Symposium Planning Committee, member, NCI	09/2012
Cancer Prevention Fellowship Program Fellows Advisory Board, member, NCI	07/2011-12/2013

PROFESSIONAL SERVICE

Grant review

Fellowships: Epidemiology and Population Sciences, NIH	07/2023-present
Clinical and Experimental Therapeutics, Prostate Cancer Research Program, DoD	09/2023
Fire Prevention and Safety Grant Program, the Department of Homeland Security	05/2023
Equity and Environmental Justice Panel Review, NASA	05/2022
Israel Science Foundation, Israel	03/2022
French National Cancer Institute, France	03/2022
Risks, Prevention and Health Behavior, Fellowships study section, NIH	10/2021
The Mechanisms of Emotion, Stress and Health study section (MESH), NIH	06/2021
Medical Research Council, United Kingdom	10/2019

Society committee

Awards Committee, member, Society for Epidemiological Research	09/2018-09/2019
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Conference abstract review

Annual meeting of the Society for Epidemiological Research	12/2017-12/2020
Annual meeting of the Associated Professional Sleep Societies	12/2017-12/2020

Journal Editor

GeoHealth and Environmental Justice (Joint special issue editor)	03/2022-present
Frontiers in Oncology (review editor)	10/2020-present

Journal review

American Journal of Epidemiology
 Andrology
 Annals of the American Thoracic Society
 Annals of Epidemiology
 Appetite
 BBA – Molecular Basis of Disease
 BMC Cancer
 BMC Gastroenterology
 BMC Public Health
 British Journal of Cancer
 Cancer
 Chronobiology International
 Clock & Sleep
 Diabetes Care
 Diabetes Research and Clinical Practice
 Ecotoxicology and Environmental Safety
 Environmental Pollution

Xiao, Qian

The University of Texas Health Science Center at Houston

Epidemiology
Frontiers in Oncology
Frontiers in Psychology
Health and Place
International Journal of Cancer
International Journal of Environmental Research and Public Health
International Journal of Health Geographics
International Journal of Behavioral Nutrition and Physical Activity
International Journal of Obesity
JAMA Internal Medicine
JAMA Network Open
Journal of the Academy of Nutrition and Dietetics
Journal of Biological Rhythms
Journal of Clinical Sleep Medicine
Journal of Epidemiology & Community Health
Journal of Gerontology: Biological Sciences
Journal of Gerontology: Medical Sciences
Journal of Occupational and Environmental Hygiene
Journal of Psychosomatic Research
Journal of Women's Health
Lancet Healthy Longevity
Medicine & Science in Sports & Exercise
Molecular Basis of Disease
Nature Communications
Nutrients
Pediatric Obesity
Preventive Medicine
Scientific Report
Sleep
Sleep Health
Sleep Medicine
Social Science & Medicine – Population Health