

Xiao, Qian

The University of Texas Health Science Center at Houston

XIAO, QIAN, PHD, MPH

Associate Professor

Department of Epidemiology, Human Genetics, and Environmental Sciences

The University of Texas Health Science Center at Houston School of Public Health

1200 Pressler St.

Rm. RASE603

Houston, TX 77030

Tel: 1-713-500-9233 (o)

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

- Determine the role of sleep deficiency and circadian disruption in chronic diseases.
- Investigate the role of neighborhood environment in shaping health behaviors and health disparities.
- Examine biological mechanisms that mediate the health effects of behavioral and social factors, particularly focusing on the human metabolome.

GRANTS*ACTIVE*

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: 04/15/2020-03/30/2024 Direct Cost: \$2,074,715 (effort: 25%)
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%)
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%)

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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 #:
Period: 07/01/2022-06/30/2024
Direct Cost: \$149,188 (effort: 10%)

PENDING

Principal Investigator

Neighborhood environment, sleep and rest-activity rhythms, and ADRD disparities
Award: R01, National Institute of Aging
Period: 07/01/2023-06/30/2028
Direct Cost: \$773,958 (effort: 25%)

Principal Investigator

Environmental Injustice in Air Pollution, Heat and Light Pollution in the US: Quantifying Joint Exposure Burdens and Assessing Public Health Implications
Award: Interdisciplinary research in earth science research grant, NASA
Period: 06/01/2023-05/31/2026
Direct Cost: \$2,050,320 (effort: 15%)

Principal Investigator

Incorporating blood biomarkers to improve the understanding about sleep and rest-activity rhythms, metabolomic profiles and Alzheimer's Disease
Award: R21, National Institute of Aging
Period: 09/01/2023-08/31/2025
Direct Cost: \$417,981 (effort: 10%)

Sub-PI/Collaborator

Multi-level assessment of genetic ancestry, social determinants of health, and somatic profiles as mediators of multiple myeloma disparities. (PI: Hildebrandt)
Award: CPRIT
Period: 03/01/2023-02/28/2026
Direct Cost: \$150,495 (effort: 10%)

MPI

CHIMR: A Circadian Hidden Markov Approach to Investigate Multiple Rhythmicities (PIs: Bauer and Xiao)
Award: R01, National Institute of Diabetes and Digestive and Kidney Diseases
Period: 10/01/2022-10/31/2025
Direct Cost: \$730,103 (effort: 30%)

Consultant

Meal timing, metabolic and gut microbial health, and obesity-related female cancers (PI: Playdon)
Award: R01, National Cancer Institute
Period: 06/01/2023-05/31/2026

COMPLETED

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

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- Principal Investigator Period: 06/01/2018-06/01/2019
Direct cost: \$3,000 (effort: salary support not allowed)
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
- Principal Investigator Period: 04/01/2018-03/31/2019
Direct Cost: \$29,612 (effort: salary support not allowed)
Preliminary study of neighborhood socioeconomic deprivation, DNA methylation and colorectal cancer risk.
Award: Holden Comprehensive Cancer Center Seed Award, University of Iowa
Grant #: NA
- Principal Investigator Period: 03/01/2017-03/01/2019.
Direct cost: \$29,612 (effort: salary support not allowed)
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
- Principal Investigator Period: 06/01/2017-09/01/2017
Direct Cost: \$6,000 (effort: 10%)
Inequalities in Colorectal Cancer: The Influence of Built Environment and Change in Neighborhood.
Award: NCI Director's Innovation Award, National Cancer Institute
Grant #: NA
- Co-Investigator Period: 01//01/2014-01/01/2015
Direct cost: \$30,000 (effort: salary support not allowed)
A pilot for the sleep heart aging study. (PI: Moon)
Award: Center on Aging Collaborative Pilot Fund, University of Iowa
Grant #: NA
- Principal Investigator 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 UTHealth.

PUBLICATIONS

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

PUBLISHED AND IN-PRESS

1. **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 Sep; [epub ahead of print]. PMID: 37734073
2. 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*. 2023 Aug; [epub ahead of print]. PMID: 37591789.

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3. **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 Jul;178:108096. [epub ahead of print] PMID: 37480833
4. 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
5. 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
6. 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 Mar;S0002-9165(23)46259-4. PMID: 36921904
7. Yeung CHC *, Bauer C, **Xiao Q**. Associations between actigraphy-derived rest-activity rhythm characteristics and hypertension in United States adults. *J Sleep Res*. 2023 Feb. [epub ahead of print]. PMID: 36807441
8. 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
9. 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
10. 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
11. 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
12. **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
13. 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*. 2022 Sep 18;zsac225. PMID: 36124765
14. 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 1;5(9):e2233429. PMID: 36166230
15. **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
16. 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
17. 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*. 2022 Aug;S2212-2672(22)00874-.7 PMID: 35964910
18. 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
19. **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

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20. 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
21. 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
22. **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
23. **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
24. **Xiao Q**, Playdon M, Matthews CE, 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
25. **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
26. 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
27. **Xiao Q**, James P, Bauer C, Gierach GL, 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
28. 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
29. 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
30. **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
31. **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
32. 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
33. 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
34. Zhang K, Reininger 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
35. 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
36. 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
37. 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

38. 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
39. 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
40. 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
41. 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
42. 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
43. 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
44. **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
45. **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
46. Schneider A *, 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
47. 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
48. **Xiao Q**, Chaput J, Olds T, Fogelhom 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.
49. **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
50. 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, Mavoja 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
51. 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
52. **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
53. **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
54. 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
55. 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

56. 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
57. Gordon-Dseagu VL, Derkach A, **Xiao Q**, Williams I, Sampson J, Stolzenberg-Solomon R. The association of sleep with metabolic pathways and metabolites: evidence from the Dietary Approaches to Stop Hypertension (DASH)-sodium feeding study. *Metabolomics*. 2019 Mar;15(4):48. PMID: 30879189
58. Zhang D *, Matthews CE, Powell-Wiley T, **Xiao Q** Ten-year change in neighborhood socioeconomic status and colorectal cancer. *Cancer*. 2019 Feb; 125(4):610-617. PMID: 30423200
59. **Xiao Q**, Berrigan D, Powell-Wiley TM, Matthews CE. Ten-year change in neighborhood socioeconomic deprivation and rates of total, cardiovascular disease, and cancer mortality in older US adults. *Am J Epidemiol*. 2018 Dec; 187(12):2642-2650. PMID: 30137194
60. Tomasson M, Ali M, DeOliveira V, **Xiao Q**, Jethava Y, Zhan F, Fitzsimmons A, Bates M Prevention is the best treatment: The case for understanding the transition from monoclonal gammopathy of undetermined significance to myeloma. *Int J Mol Sci*. 2018 Nov 16; 19(11). PMID: 30453544
61. Moss JL, **Xiao Q**, Matthews CE. Patterns of cancer-related health behaviors among middle-aged and older adults: Individual- and area-level socioeconomic disparities. *Prev Med*. 2018 Oct; 115:31-38. PMID: 30081135
62. **Xiao Q**, Hale L. Neighborhood socioeconomic status, sleep duration and napping in middle-to-old aged US men and women. *Sleep*. 2018 Jul; 41(7):zsy076. PMID: 29697844
63. **Xiao Q**, Berrigan D, Keadle S, Matthews CE. A prospective investigation of neighborhood socioeconomic deprivation and physical activity and sedentary behavior in older adults. *Prev Med*. 2018 Jun; 111:14-20. PMID: 29454077
64. **Xiao Q**, Keadle SK, Berrigan D, Matthews CE. Neighborhood socioeconomic deprivation and weight change in a large U.S. cohort. *Am J Prev Med*. 2017 Jun;52(6):e173-e181. PMID: 28314557
65. **Xiao Q**, Derkach A, Moore SC, Sampson JN, Matthews CE Habitual Sleep and human plasma metabolomics. *Metabolomics*. 2017 May; 13(5):63. PMID: 29657561
66. **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
67. **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
68. **Xiao Q**, Gu F, Caporaso N, Matthews CE. Relationship between sleep characteristics and measures of body size and composition in a nationally-representative sample. *BMC Obesity*. 2016 Nov 11; 3:48. PMID: 27857841
69. **Xiao Q**, Moore SC, Keadle SK, Xiang YB, Zheng W, Peters TM, Leitzmann MF, Ji BT, Sampson JN, Shu XO, Matthews CE Objectively measured physical activity and plasma metabolomics in the Shanghai Physical Activity Study. *Int J Epidemiol*. 2016 Oct; 45(5):1433-1444. PMID: 27073263
70. Gu F, Derkach A, Freedman ND, Landi MT, Albanes D, Weinstein SJ, Mondul AM, Matthews CE, Gurtin K, **Xiao Q**, Zheng W, Shu X, Sampson J, Moore S, Caporaso NE. Cigarette smoking behavior and blood metabolomics. *Int J Epidemiol*. 2016 Oct;45(5):1421-1432. PMID: 26721601
71. Gu F, **Xiao Q**, Chu LW, Yu K, Matthews CE, Caporaso NE, Hsing AW. Sleep duration and cancer in the NIH-AARP diet and health study. *PLoS One* 2016 Sep;11(9):e0161561. PMID: 27611440
72. Loftfield E, Freedman ND, Dodd KW, Vogtmann E, **Xiao Q**, Sinha R, Graubard BI Coffee Drinking Is Widespread in the United States but Usual Intake Varies by Key Demographic and Lifestyle Factors. *J Nutr*. 2016 Sep; 146(9):1762-1768. PMID: 27489008
73. **Xiao Q**, Signorello LB, Brinton LA, Cohen SS, Blot WJ, Matthews CE. Sleep duration and breast cancer risk among black and white women. *Sleep Med*. 2016 Apr; 20:25-29. PMID: 27318222
74. Drahos J, **Xiao Q**, Risch HA, Freedman ND, Abnet CC, Anderson LA, Bernstein L, Brown LM, Chow WH, Gammon MD, Kamangar F, Liao LM, Murray LJ, Ward MH, Ye W, Wu AH, Vaughan TL, Whitman DC, Cook

- MB. Age-specific risk factor profiles of adenocarcinomas of the esophagus: a pooled analysis from the international BEACON consortium. *Int J Cancer*. 2016 Jan; 138(1):55-64. PMID: 26175109
75. Keadle SK, Moore SC, Sampson JN, **Xiao Q**, Albanes D, Matthews CE. Causes of death associated with prolonged television viewing: NIH-AARP Diet and Health Study. *Am J Prev Med*. 2015 Dec;49(6):811-821. PMID: 26215832
 76. Matthews CE, Moore SC, Sampson J, Blair A, **Xiao Q**, Keadle SK, Hollenbeck A, Park Y. Mortality Benefits for Replacing Sitting Time With Different Physical Activities. *Med Sci Sports Exerc*. 2015 Sep; 47(9):1833-1840. PMID: 25628179
 77. Guertin KA, Loftfield E, Boca SM, Sampson JN, Moore SC, **Xiao Q**, Huang WY, Xiong X, Freedman ND, Cross AJ, Sinha R. Serum biomarkers of habitual coffee consumption may provide insight into the mechanism underlying the association between coffee consumption and colorectal cancer. *Am J Clin Nutr*. 2015 May; 101(5):1000-1011. PMID: 25762808
 78. **Xiao Q**, Brinton LA, Schairer C, Matthews CE. Sleep duration and breast cancer risk in the Breast Cancer Detection Demonstration Project. *Br J Cancer*. 2015 Feb; 112(3):567-71. PMID: 25474248
 79. **Xiao Q**, Sinha R, Graubard BI, Freedman ND. Inverse associations of total and decaffeinated coffee with liver enzyme levels in National Health and Nutrition Examination Survey 1999-2010. *Hepatology*. 2014 Dec; 60(6): 2091-2098. PMID: 25124935
 80. **Xiao Q**, Keadle SK, Hollenbeck AR, Matthews CE. Sleep duration and total and cause-specific mortality in a large US cohort: interrelationships with physical activity, sedentary behavior, and body mass index. *Am J Epidemiol*. 2014 Nov; 180(10):997-1006. PMID: 25281691
 81. **Xiao Q**, Liao L, Matthews CE, Chow WH, Davis F, Schwartz K, Purdue M, Hofmann JN, Colt J. Physical activity and renal cell carcinoma among black and white Americans. *BMC Cancer*. 2014 Sep; 14(1):707. PMID: 25253394
 82. Goedert JJ, Sampson JN, Moore SC, **Xiao Q**, Xiong X, Hayes RB, Ahn J, Shi J, Sinha R. Fecal metabolomics: Assay performance and association with colorectal cancer. *Carcinogenesis*. 2014 Sep; 35(9):2089-2096. PMID: 25037050
 83. Matthews CE, Cohen SS, Fowke JH, Han X, **Xiao Q**, Buchowski M, Hargreaves MK, Signorello LB, Blot WJ. Physical activity, sedentary behavior, and cause-specific mortality in black and white adults in the Southern Community Cohort Study. *Am J Epidemiol*. 2014 Aug; 180(4):395-405. PMID: 25086052
 84. Guertin KA, Moore SC, Sampson JN, **Xiao Q**, Stolzenberg-Solomon RZ, Sinha Rashmi, Cross AJ. Metabolomics in nutritional epidemiology: identifying metabolites associated with diet and quantifying their potential to uncover diet-disease relations in populations. *Am J Clin Nutr*. 2014 Jul; 100(1):208-17
 85. **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
 86. DellaValle CT, **Xiao Q**, Yang G, Shu XO, Aschebrook-Kilfoy B, Zheng W, Li HL, Ji B, Rothman N, Chow WH, Gao Y, Ward MH. Dietary nitrate and nitrite intake and risk of colorectal cancer in the Shanghai Women's Health Study. *Int J Cancer*. 2014 Jun; 134(12):2917-2926. PMID: 24242755
 87. **Xiao Q**, Moore SC, Boca SM, Matthews CE, Rothman N, Stolzenberg-Solomon RZ, Sinha R, Cross AJ, Sampson JN. Sources of variability in metabolite measurements from urinary samples. *PLoS One*. 2014 May; 9(5):e95749. PMID: 24788433
 88. 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
 89. **Xiao Q**, Freedman ND, Ren J, Hollenbeck AR, Abnet CC, and Park Y. Intakes of folate, methionine, and vitamin B6 and B12 with risk of esophageal and gastric cancer in a large cohort study. *Br J Cancer*. 2014 Mar; 110(5):1328-1333. PMID: 24481406
 90. **Xiao Q**, Hsing AW, Park Y, Moore SC, Matthews CE, Berrington de González A, Kitahara CM. Body mass index and mortality among blacks and whites in the Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial. *Obesity (Silver Spring)*. 2014 Jan; 22(1):260-268. PMID: 23512729

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91. **Xiao Q**, Arem H, Moore SC, Hollenbeck A, Matthews CE. A large prospective investigation of sleep duration, weight change and obesity in the NIH-AARP Diet and Health Study Cohort. *Am J Epidemiol*. 2013 Dec; 178(11):1600-1610. PMID: 24049160
92. **Xiao Q**, Yang HP, Wentzensen N, Hollenbeck A, Matthews CE. Physical activity in different periods of life, sedentary behavior and the risk of ovarian cancer in the NIH-AARP Diet and Health Study. *Cancer Epidemiol Biomarkers Prev*. 2013 Nov; 22(11):2000-2008. PMID: 23966580
93. **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
94. Soliman AS, Kleer CG, Mrad K, Karkouri M, Omar S, Khaled HM, Bendider A, Ayed FB, Eissa SS, McSpadden EJ, Lo A, Toy K, Kantor ED, **Xiao Q**, Hampton C, Merajver SD. Inflammatory Breast Cancer in North Africa: Comparison of Clinical and Molecular Epidemiologic Characteristics of Patients from Egypt, Tunisia, and Morocco. *Breast Disease*. 2011-2012; 33(4):159-169. PMID: 23001584
95. **Xiao Q**, Xu L, Spitzer NC. Target-dependent regulation of neurotransmitter specification and embryonic neuronal calcium spike activity. *J Neurosci*. 2010 Apr; 30(16):5792-5801. PMID: 20410131

UNDER REVIEW

1. 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. (Submitted to *J Clin Oncol*.)
2. **Xiao Q**, Lipworth-Elliot L, Full K, Rutter MK. Long-term sleep trajectories are associated with incident diabetes in middle-to-older aged Black and White adults in the U.S.: an analysis in the Southern Community Cohort Study. (Submitted to *Diabetologia*)
3. Lu J **, **Xiao Q**, Bauer C. A Bayesian Circadian Hidden Markov Model to infer rest-activity rhythms using 24-hour actigraphy data. (Submitted to *J Am Stat Assoc*.)
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. (Submitted to *J Clin Oncol*.)
5. Nyarko S *, **Xiao Q**. Neighborhood light at night, noise, and long-term sleep trajectories in the Southern Community Cohort Study. (Submitted to *Environ Res*.)
6. 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. (Submitted to *SSM - Popul Health*.)
7. 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. (Submitted to *Int J Behav Nutr Phys Act*.)
8. Schneider AC *, Moon M, Whitaker K, Zhang D, Carr LJ, Bao W, **Xiao Q**. Objectively-measured sleep and cognitive changes in the Midlife in the United States Study. (submitted to *Int J Alzheimers Dis*.)
9. **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). (submitted to *Environ. Sci. Pollut. Res.*)
10. Yeung CHC *, Bauer C, **Xiao Q**. Associations between rest-activity rhythms and liver enzyme levels: the US National Health and Nutrition Examination Survey, 2011–2014. (Submitted to *Clocks & Sleep*.)

IN PREPARATION

11. 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.
12. 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.
13. 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).

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14. Neally SJ, Alphonso S, Rogers B, Deng Y, Moniruzzaman M, **Xiao Q**, Tamura K. Role of neighborhood social environment in sleep health: Findings from the National Longitudinal Study of Adolescent Health (Add Health) Study.
15. Kyoung AVL; Wang S, Yeung CHC, Zhang L, Zhang B, Huang Y, **Xiao Q**. Metabolomic biomarkers of rest activity rhythms: unraveling the molecular mechanisms and implications for human health.
16. Tamura K, **Xiao Q**, Moniruzzaman M, Deng Y, Forde AT, Liao L, Jones R, Powell-Wiley T. Do physical activity and sedentary behavior mediate the associations between neighborhood deprivation index and sleep health among the NIH-AARP Diet and Health Study participants? Moderation by race and ethnic groups.
17. Leahy S, Yeung CHC, **Xiao Q**, Figueiro M. Light-activity alignment and cognition in NHANES.
18. **Xiao Q**, Jones R. Artificial light at night (ALAN) and total, cardiovascular and cancer mortality in Black and White adults in the United States

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** Kerr G. Earth observation for environmental justice. *American Geophysical Union Annual Meeting*. (Chicago, Illinois) 2022
2. **Xiao Q** Light at night as an environmental justice issue. *Air and Waste Management Association Annual Conference and Exhibition*. (San Francisco, California) 2022
3. **Xiao Q** Light at night: a public health and environmental justice issue. *NASA Health and Air Quality Applied Sciences Team meeting*. (Houston, Texas) 2022
4. Circadian disruption and metabolic health. *Seminars in Metabolism*. University of Utah 2021.
5. Neighborhood Socioeconomic and Physical Environment and Health Disparities. *NCI Geographic Analysis Working Group Meeting*. NCI (Bethesda, MD) 2020
6. 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
7. 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
8. Studying neighborhood socioeconomic deprivation and health in the NIH-AARP Diet and Health Study. *American Association of Geographers* (Boston, MA) 2017
9. 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
10. Sleep, circadian rhythms and cardiometabolic health: a multi-layered approach. *Oregon Health and Science University* (Portland, OR) 2016
11. Sleep duration, timing of sleep and the human metabolome. *Trans-NIH Sleep Research Coordination* (Bethesda, MD) 2015
12. Sleep, obesity and cancer. *National Heart Long and Blood Institute* (Bethesda, MD) 2015
13. Studying obesity and obesity-related diseases: A multi-layered approach. *University of Michigan* (Ann Arbor, MI) 2014

CONFERENCE PRESENTATION (ORAL)

1. **Xiao Q** 24-hour rest-activity patterns and health. *2022 International Conference on Ambulatory Monitoring of Physical Activity and Movement*. (Keystone, Colorado)
2. **Xiao Q** Social factors and patterns of diurnal behaviors in human populations. *2022 Society for Research on Biological Rhythms Biennial Conference*. (Amelia Island, Florida)

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3. **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)
4. **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)
5. **Xiao Q** Habitual Sleep and the Human Metabolome. 2017 *International Sleep and Circadian Biomarkers Workshop* (Boston, MA)
6. Zhang D *, **Xiao Q** Neighborhood Socioeconomic Status Trajectory and Colorectal Cancer. 2018 *Society for Epidemiologic Research Annual Meeting*. (Baltimore, MD)
7. **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)
8. **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)

9. 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)
10. **Xiao Q**, Bauer C. Creating personalized rhythmic profiles of activity and diet for precision nutrition. 2021 *NIDDK Precision Nutrition workshop*. (Online)
11. 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)
12. Zhang D *, **Xiao Q** Neighborhood socioeconomic status trajectory and excessive weight change 2019 *Society for Epidemiologic Research Annual Meeting*. (Minneapolis, MN)
13. 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)
14. 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)
15. **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)
16. **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)
17. **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)
18. **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)
19. **Xiao Q**. Sleep deficiency, circadian disruption, and cardiometabolic health: a multilayered approach 2015 *Sleep Research Network Annual Meeting*. (Bethesda, MD)
20. **Xiao Q**, Matthews CE. Sleep duration, timing of sleep and the human metabolome 2015 *Annual meeting of the Associated Professional Sleep Societies*. (Seattle, WA)
21. **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)

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22. **Xiao Q**, Matthews CE. Relationship between Sleep Characteristics and Adiposity in a Nationally-Representative Sample. 2013 *Obesity Week*. (Atlanta, GA)
23. **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)
24. 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)
25. **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)
26. **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)
27. **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).
28. **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.)
29. **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

#. of enrollment: 21

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

Semester/year: Summer 2021

of enrollment: 25

% effort: 1/3 (administrative lead for UTSPH)

University of Iowa

Instructor **Research Methods and Ethics (HHP:6020)**

Semester/year: Fall 2017-Fall 2019

#. of enrollment: ~10

Instructor **Policy, Environmental, and Social Determinants of Health (HHP:4030)**

Semester/year: Spring 2017-Spring 2019

#. of enrollment: ~50

Co-Instructor **Seminar in Health Promotion (HHP:6500)**

Semester/year: Spring 2017-Spring 2019

#. of enrollment: ~15

% effort: 1/3

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

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Samuel Nyarko, 09/2020 – 06/2022

Ho Ching (Chris) Yeung, 01/2022- present

➤ Graduate Student

DISSERTATION COMMITTEE

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

Fatema Alkhulaifi, PhD student, 10/2022-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**

Preliminary Exam Committee, UTHealth SPH	03/2022-present
Admissions Committee, member, UTHealth SPH	10/2020-present
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*

Clinical and Experimental Therapeutics, Prostate Cancer Research Program, DoD	09/2023
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-present
The Mechanisms of Emotion, Stress and Health study section (MESH), NIH	06/2021

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Medical Research Council, United Kingdom

10/2019

Society committee

Awards Committee, member, Society for Epidemiological Research

09/2018-09/2019

Conference abstract review

Annual meeting of the Society for Epidemiological Research

12/2017-present

Annual meeting of the Associated Professional Sleep Societies

12/2017-present

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

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

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Molecular Basis of Disease

Nature Communications

Nutrients

Pediatric Obesity

Preventive Medicine

Scientific Report

Sleep

Sleep Health

Sleep Medicine

Social Science & Medicine – Population Health