CURRICULUM VITAE

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Yong Yang

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RESEARCH INTERESTS
- Aging, mobility, social isolation, cognitive health and mental health among older adults
- Impact of neighborhood environment and transportation on population health
- Social epidemiology, social determinants of health, social and behavioral science
- Tobacco regulatory science
- Systems science methods, agent-based modeling, GIS, and behavioral economics methods

ACADEMIC EMPLOYMENT
Aug 2020 - Present	**Associate Professor (tenured),** Social and Behavioral Science, School of Public Health, University of Memphis
Jan 2015 - Aug 2020	**Assistant Professor,** Social and Behavioral Science, School of Public Health, University of Memphis
Sep 2014 - Jan 2015	**Research Assistant Professor** Epidemiology, School of Public Health, Drexel University
Feb. 2012 to Sep. 2014	**Research Investigator** Epidemiology, School of Public Health, University of Michigan
2009 - 2011	**Postdoctoral Researcher** Social Epidemiology, University of Michigan, Ann Arbor, USA

EDUCATION
2003 - 2007	Ph.D., Health Geography, University of Southampton, Southampton, UK
1997 - 2000	M.S., Geographical Information Systems, Peking University, China
1993 - 1997	B.S., Physical Geography, Peking University, Beijing, China

ACADEMIC TRAINING
1. 2024, Data and AI Intensive Research with Rigor and Reproducibility (DAIR³) program, Michigan Institute for Data & AI in Society, Jackson State University, Jackson, MS
2. 2020, Simulation Modelling of Tobacco Use, Health Effects, and Policy Impacts, one-work course, Graduate Summer Session, University of Michigan, Ann Arbor
3. 2019, Exploring and Analyzing Monitoring the Future Data, one-week workshop, Summer Program in Quantitative Methods of Social Research, University of Michigan, Ann Arbor
4. 2018, National Institute on Aging's Butler-Williams Scholars Program, one-week workshop, NIH, Bethesda
5. 2017, Spatial Statistics for Epidemiological Data, one-work course, Graduate Summer Session, University of Michigan, Ann Arbor

6. 2017, Causal Mediation Analysis, two-day workshop, Statistical Horizons, Philadelphia
7. 2012, System dynamics modeling, one-week invited workshop, Institute on Systems Science and Health, Washington University in St. Louis
8. 2008, Fundamentals of Epidemiology, three-week course, Graduate Summer Session, University of Michigan, Ann Arbor
9. 2008, Environmental Determinants of Infectious Diseases, one-work course, Graduate Summer Session, University of Michigan, Ann Arbor
10. 2007, Social Network Analysis in Public Health, one-day workshop, University of Michigan, Ann Arbor

HONORS AND AWARDS

2024	Travel Fellowship, Data and AI Intensive Research with Rigor and Reproducibility (DAIR3) bootcamp in Jackson State University, Jackson
2023	Travel Fellowship, China Health Policy and Management Society
2019	Travel Fellowship, the 4th Westlake Summer Youth Forum on Health Policy and Systems Sciences, China Health Policy and Management Society
2018	Butler-Williams Scholar Program, National Institutes on Aging, Washington DC.
2015	Travel Fellowship, the 2nd Westlake Summer Youth Forum on Health Policy and Systems Sciences, China Health Policy and Management Society
2012	Scholarship, Institute on Systems Science and Health, University of Washington in St. Louis, Saint Louis
2007	Travel Award, Symposium on Complex System Approaches to Population Health, University of Michigan, Ann Arbor
2006	Scholarship, Global Exchange Program within Worldwide Universities Network
2005	Travel Award, Conference of GIS Research UK
2003-2006	Graduate Research Scholarship, University of Southampton
2003-2006	Overseas Research Students Award, Universities UK
1997-2000	Graduate Research Scholarship, Peking University

MEDIA COVERAGE AND ACTIVITIES

Feb.19, 2018	"Memphis food deserts diminish health for low-income residents", by Daily Helmsman, a newspaper at the University of Memphis
Oct.30, 2017	Invited guest, Workshop of Achieving Health Equity: the Impact of the Social Determinants of Housing, Education and Employment on Health Inequities, Duke University, Durham, North Carolina
Oct.6, 2016	Study proposes dynamic framework on travel mode choice focusing on utilitarian walking, by Office of Behavioral and Social Sciences Research, NIH, link: https://obssr.od.nih.gov/2016/10/06/
May 10, 2016	Activity in Children, Public Health Minute with William Latimer, by Lehman College, the City University of New York, link: http://wp.lehman.edu/public-health-minute-with-william-latimer/activity-in-children-yong-yang-phd-niversity-of-memphis/

GRANTS

EXTRAMURAL FUNDING

1. 10/2020-2/2022, Examining and modeling the impact of e-cigarette ban, $40,000, funded by Center for the Assessment of Tobacco Regulations at the University of Michigan, Principal Investigator
2. 8/2019-7/2022, Modeling the impact of flavor bans among young adult tobacco users using discrete choice experiments and agent-based modeling, with a 12-month no-cost extension, $143,500, funded by NIH/NIDA (R03DA048460), Principal Investigator
3. 4/2016-3/2020, Healthy Ageing in European Cities: Understanding Environmental, Behavioral, Psychosocial and Biological Pathways of Ageing in an Urban Context. $80,000, funded by Research Horizon 2020 from the European Commission, Principal Investigator
4. 6/2015-5/2016, Multilevel Systems-oriented Childhood Obesity Study in China, subcontract from U54 Center P3 Grant, NIH, Co-Investigator
5. 8/2011-7/2014, A Spatial Agent-based Model for the Simulation of Adults Daily Walking in Urban Areas, $427,625, funded by NIH/NHLBI (R21HL106467), Co-Investigator (PI: Ana Diaz-Roux), and Principal Investigator for 12-month no-cost extension period
6. 7/2010-6/2011, Spatial agent-based modeling of environmental effects on walking in an urban area, funded by Robert Wood Johnson Foundation Health and Society Scholars program, University of Michigan, Principal Investigator

INTRAMURAL FUNDING
1. 12/2024 - 8/2025, To predict dementia risk among old adults using machine learning and AI, focusing on the impact of social determinants and genetic predisposition, $5,000, funded by Community of Research Scholars Grant, University of Memphis, Principal Investigator
2. 11/2023 - 6/2024, Vaccine acceptance and uptake decision processes for COVID-19 and influenza, $5,000, funded by Community of Research Scholars Grant, University of Memphis, Principal Investigator
3. 1/2020-12/2021, Mental health and addictive behaviors among older adults, $5,000, funded by Community of Research Scholars Grant, University of Memphis, Principal Investigator
4. 1/2019-12/2019, Aging and Health in Memphis, $2,500, funded by Community of Research Scholars Grant, University of Memphis, Principal Investigator
5. 1/2016-6/2017, To estimate the overweight children in Memphis using the integration of multilevel logistic regression and geographical microsimulation, $20,000, funded by University of Memphis Research Foundation, Principal Investigator

PUBLICATIONS
PEER-REVIEWED JOURNAL ARTICLES
1. **Yang Y** (Accepted), Public transit use among American older adults: Insights from a nationally representative survey, Journal of Transport and Health
2. **Yang Y**, Jiang Y, Wen M, Wang L (2024), A dual group-based 11-year trajectory analysis of cognitive impairment and transport restriction for community-dwelling older adults, International Journal of Geriatric Psychiatry
3. **Yang Y**, Jiang Y (2024) The association between social isolation and incident dementia among older adults: evidence from National Health and Aging Trend Study, Innovation in Aging
4. **Yang Y**, Ward KD, Lindblom EN, Salloum RG (2024). Would banning menthol cigarettes, flavored cigars, and flavored e-cigarettes prompt users to seek illicit channels for obtaining them in the United States? Preventive Medicine.

5. **Yang Y**. (2024) An estimation of the prevalence of smoking and e-cigarette use among U.S. Adults if menthol cigarettes and flavored cigars are banned. Substance Use & Misuse.

6. **Yang Y**, Lindblom EN, Ward KD, Salloum RG (2024). Should menthol e-cigarettes be banned? adult smokers and users of e-cigarettes' reaction to hypothetical bans, Tobacco Control.

7. **Yang Y**, Lindblom EN, Ward KD, Salloum RG (2023). Reactions to hypothetical flavor bans among users of current flavored e-cigarettes, Translational Behavioral Medicine.

8. **Yang, Y**, Lindblom, E.N., Salloum, R.G., & Ward, K.D (2023). The impact of flavors, device, nicotine levels, and price on adult e-cigarette users' tobacco and nicotine product choices. Tobacco Control.

9. **Yang Y**, Lindblom EN, Ward KD, Salloum RG (2022). How smokers of menthol cigarettes and flavored cigars might respond to FDA's proposed bans. Nicotine Tob Res.

10. **Yang Y** (2022). How the emergence of the omicron variant may change people's attitudes toward the covid-19 pandemic. Front. Psychol.

11. **Yang, Y.**, Lindblom, E.N., Salloum, R.G., & Ward, KD (2021). Perceived health risks associated with the use of tobacco and nicotine products during the COVID-19 pandemic. Tobacco Induced Diseases.

12. **Yang Y**, Dobalian A, Ward KD (2021). Covid-19 vaccine hesitancy and its determinants among adults with a history of tobacco or marijuana use. Journal of Community Health.

13. **Yang Y**, Xiang X (2021), Examine the associations between perceived neighborhood conditions, physical activity, and mental health during the COVID-19 pandemic. Health & Place.

14. Xiang X, **Yang Y**, Cheng J, An R (2021) The Impact of Late-life Disability Spectrum on Depressive Symptoms: A Fixed-Effects Analysis of Panel Data, The Journals of Gerontology: Series B. 76(4): 810-9.

15. **Yang Y**, Ward K, Salloum R, Lindblom E (2020) Agent-based Modeling in Tobacco Regulatory Science: Exploring 'What if' in Waterpipe Smoking. Tobacco Regulatory Science, 6(3): p. 171-178.

16. Wang B, Liu J, Li Y, Fu S, Xu X, Li L, Zhou J, Liu X, He X, Yan J, Shi Y, Niu J, **Yang Y**, Li Y, Luo B, Zhang K (2020) Airborne particulate matter, population mobility and COVID-19: a multi-city study in China. BMC Public Health. 20(1): p. 1585.

17. **Yang Y**, Lindblom E, Salloum R, Ward K (2020) The impact of a comprehensive tobacco product flavor ban in San Francisco among young adults, Addictive Behaviors Reports

18. **Yang Y**, Langellier B, Stankov I, Purtle J, Nelson K, Reinhard E, Van Lenthe F, Diez-Roux A (2020) Public transit and depression among older adults: using agent-based models to examine plausible impacts of a free bus policy, J Epidemiol Community Health

19. **Yang Y**, Ahn S, Zhang K, Li Z, Li S, Murphy J (2020) The associations between daily smartphone use, daily travel, physical activity, and health among older adults: evidence from 2017 NHTS, Journal of Aging and Physical Activity

20. Li, J., Auchincloss A, **Yang Y**, Rodriguez D, Sánchez B (2020) Neighborhood characteristics and transport walking: Exploring multiple pathways of influence using a structural equation modeling approach. Journal of Transport Geography.

21. Harmon B, Martin M, **Yang Y**, et al. (2019), Unpacking Our Limitations: The complexity of multilevel influences on behavior, European Journal of Cancer Care, 28(3): e13041

22. Stankov I, **Yang Y,** et al. (2019), Depression and alcohol misuse among older adults: Exploring mechanisms and policy impacts using agent-based modeling, Social Psychiatry and Psychiatric Epidemiology

23. Purtle J, Nelson KL, **Yang Y**, Langellier B, Stankov I, Diez Roux AV. (2019) Urban and Rural Differences in Older Adult Depression: A Systematic Review and Meta-analysis of Comparative Studies. Am. J. Prev. Med.

24. **Yang Y**, Xue H, Liu S, Wang Y. (2019) Is the decline of active travel to school unavoidable by-products of economic growth and urbanization in developing countries? Sustainable Cities and Society

25. **Yang, Y** (2019) A narrative review of the use of agent-based modeling in health behavior and behavior intervention, Translational Behavioral Medicine

26. Garcia LMT, Diez-Roux AV, Martins ACR, **Yang Y,** Florindo AA (2018) Exploring the emergence and evolution of population patterns of leisure-time physical activity through agent-based modelling. International Journal of Behavioral Nutrition and Physical Activity.

27. **Yang, Y**, Langellier BA, Stankov I, Purtle J, Nelson KL, Diez-Roux AV (2018) Examining the possible impact of daily transport on depression among older adults using an agent-based model. Aging & Mental Health.

28. Langellier B, **Yang Y,** Purtle J, Nelson K, Stankov I, Diez Roux AV (2018) Complex Systems Approaches to Understand Drivers of Mental Health and Inform Mental Health Policy: A Systematic Review. Administration and Policy in Mental Health and Mental Health

29. **Yang, Y**, Xu Y, Rodriguez DA, Michael Y, Zhang H (2018) Active travel, public transportation use, and daily transport among older adults. Transportation and Health.

30. **Yang, Y**, Jiang Y, Xu Y, Mzayek F, Levy M (2018) A cross-sectional study of the in influence of neighborhood environment on childhood overweight and obesity: Variation by age, gender, and environment characteristics. Preventive Medicine. 108:23-28.

31. **Yang, Y** (2018), Spatial Health Inequalities: Adapting GIS Tools and Data Analysis, By Esra Ozdenerol, CRC Press, 2016, 205pp, ISBN 781498701518, International Journal of Geographical Information Science

32. **Yang, Y** (2017), Study multiple risk factors and multiple outcomes at multiple levels: potential of agent-based modeling, Annals of the New York Academy of Sciences

33. Garcia, L, Diez-Roux, A, Martins, A, **Yang, Y**, Latorre, M., Florindo, A (2017), A dynamic conceptual map to investigate the formation and evolution of population patterns of leisure-time physical activity, International Journal of Behavioral Nutrition and Physical Activity

34. **Yang, Y**, Xue H, Gurney, J, Wang, Y, (2017), Active Travel to and from school among Chinese children during 1997-2011 and associated factors, Journal of Physical Activity and Health

35. **Yang, Y**, Diez-Roux, AV(2017). Adults' daily walking for travel and leisure: interaction between the attitude towards walking and neighborhood environment American Journal of Health Promotion.

36. **Yang, Y** (2016). A dynamic framework on travel mode choice focusing on utilitarian walking based on the integration of current knowledge. Journal of Transport and Health.

37. **Yang, Y** (2016). Walking to Work: Trends in the United States, 2005-2014. Preventing Chronic Disease, 13, E135.

38. **Yang, Y**, Ivey, SS, Levy, MC, Royne, MB, Klesges, LM(2016). Active Travel to School: Findings from the Survey of US Health Behavior in School-aged Children 2009-2010. Journal of School Health, 86(6), 464-471.

39. Smeltzer, MP, Nolan, VG, Yu, X, Nottage, KA, Davis, BA, **Yang, Y**, Wang, WC, Gurney, JG, Hankins, JS (2016). Birth Prevalence of Sickle Cell Trait and Sickle Cell Disease in Shelby County, TN. Pediatric Blood and Cancer, 63(6)

40. **Yang, Y**(2015). Interactions between psychological and environmental characteristics and their impacts on walking. Journal of Transport and Health, 2(2), 195-198

41. **Yang, Y**, Auchincloss, AH, Rodriguez, DA, Brown, DG, Riolo, R, Diez-Roux, AV(2015). Modeling spatial segregation and travel cost influences on utilitarian walking: Towards policy intervention. Computers, Environment and Urban Systems, 51(0), 59-69.

42. **Yang, Y**, Diez-Roux, AV, Evenson, KR, Colabianchi, N (2014). Examining the impact of the walking school bus using an agent-based model. American Journal of Public Health.

43. **Yang, Y**, Diez-Roux, AV (2013). Using an agent-based model to simulate childrens' active travel to school International Journal of Behavioral Nutrition and Physical Activity.

44. **Yang, Y**, Diez-Roux, AV(2012). Walking Distance by Trip Purpose and Population Subgroups. American Journal of Preventive Medicine, 43(1), 11-19.

45. **Yang, Y**, Diez-Roux, AV, Auchincloss, A. H., Rodriguez, D. A., Brown, D.G. (2012). Exploring walking differences by socioeconomic status using a spatial agent-based model. Health and Place, 18(1), 96-99.

46. **Yang, Y**, Diez-Roux, AV, Bingham, CR (2011). Variability and seasonality of active transportation in USA: evidence from the 2001 NHTS. International Journal of Behavioral Nutrition and Physical Activity, 8(1), 96.

47. **Yang, Y**, Diez Roux, AV, Auchincloss, AH, Rodriguez, DA, Brown, DG (2011). A spatial agent-based model for the simulation of adults daily walking within a city. American Journal of Preventive Medicine, 40(3), 353-361.

48. **Yang, Y**, Atkinson, P, Ettema, D (2011). Analysis of CDC social control measures using an agent-based simulation of an influenza epidemic in a city. BMC Infectious Diseases.

49. **Yang, Y**, Atkinson, P (2008). Individual space-time activity-based model: a model for simulation of airborne infectious disease transmission by activity bundle simulation. Environment and Planning B: Planning and Design, 35(1), 80 - 99.

50. **Yang, Y**, Atkinson, P, Ettema, D (2008). Simulation of Infectious Disease Transmission within a City: the Application of ISTAM to Eemnes by Role-based AB Simulation. Journal of the Royal Society Interface, 5, 759 - 772.

51. **Yang, Y**, Atkinson, P (2008). Parameter exploration of the raster space activity bundle simulation. Journal of Geographical Systems, 10(3), 263-289.

BOOK CHAPTERS
1. **Yang, Y**, Rodriguez, D., Brown, D., Riolo, R., Diez-Roux, A. (2017), Chapter 6, Complex determinants of disparities in walking within cities, in book of Growing inequality: bridging complex systems, population health, and health disparities, Editor: George Kaplan, Westphalia Press

CONFERENCE PROCEEDINGS
1. Atkinson, P., **Yang, Y** (2005). Modelling Space-Time Pattern in Infectious Disease under Environmental Constraints to Infer Underlying Transmission Processes: Initial Results from a Simulation Model. Paper presented at the Proceedings of the 8th International Conference on GeoComputation, Ann Arbor.

TEACHING EXPERIENCE
COURSES

Social Determinants of Health	Onsite	Spring, 2018, 20, 22, 24
Social Determinants of Health	Online	Spring, 2019, 21, 23, 25

Social Justice and Public Health	Online	Fall, 2024
Master's Project Seminar	Onsite	Spring & Fall, 2015-24
Principles of Social and Behavioral Sciences	Online	Fall, 2022, 24
Principles of Social and Behavioral Sciences	Online	Spring, 2025
Principles of Social and Behavioral Sciences	Onsite	Spring, 2022
Systems Thinking & Systems Science Methods	Online Tennessee TRAIN Learning Network	
Built Environment and Public Health	Onsite	Spring, 2017
Environmental Health Policy and Decision Making	Onsite	Spring, 2016

WORKSHOPS

1. July 2022, Application of Agent-based Modelling in Public Health, Invited Workshop, Annual meeting of China Health Policy and Management Society, online
2. August 2019, Application of Geographical Information Systems in Public Health, Public Health Summer Institute, University of Memphis
3. June 2019, Application of Agent-based Modelling in Public Health, Invited Workshop, Nottingham China Health Institute, University of Nottingham, Ningbo, China
4. June 2019, Application of Agent-based Modelling in Public Health, Invited Workshop, 2019 Global Young Scholars Forum on Health Management and the 2nd Jinling Forum on Health Policy and Management, Nanjing, China

GUEST LECTURES

1. Spring 2018, Built Environment and Physical Activity, Environmental Health Policy and Decision Making, By Dr. Debra Bartelli, School of Public Health, University of Memphis
2. Fall 2014, Application of Agent-based modeling in Public Health, Medical Geography and Spatial Methods in Health Services, by Dr. Ge Lin, Department of Health Services Research and Administration, College of Public Health, University of Nebraska Medical Center
3. Fall 2014, Application of GIS in Public Health, Introduction of Geographical Information Systems, College of Computing and Informatics, by Drs. Tony Grubesic and Alan Murray, Drexel University
4. Fall 2013, Application of Agent-based modeling in Public Health, Systems Modeling of Behavior, Social Processes and Chronic Disease, by Drs. Rafael Mesa and Marisa Eisenberg, Department of Epidemiology, University of Michigan, Ann Arbor
5. Spring 2013, Built Environment and Physical Activity, Urban Design, by Dr.Igor Vojnovic, Department of Geography, Michigan State University, East Lansing
6. Fall 2013, Application of Agent-based modeling in Public Health, Introduction to Social Epidemiology, by Dr. Allison Aiello, Department of Epidemiology, University of Michigan, Ann Arbor
7. Fall 2012, Application of Agent-based modeling in Public Health, Introduction to Social Epidemiology, by Dr. Amanda Simanek, Department of Epidemiology, University of Michigan, Ann Arbor
8. Winter 2012, Application of GIS in Public Health, Geographic Information Systems Applications, by Dr. Yichun Xie, Department of Geography and Geology, Eastern Michigan University, Ypsilanti
9. Fall 2011, Application of GIS in Public Health, Geographic Information Systems Applications, by Dr. Yichun Xie, Department of Geography and Geology, Eastern Michigan University, Ypsilanti

TEACHING ASSISTANT FOR UNIVERSITY OF SOUTHAMPTON
2006-2007, Quantitative Methods for Geographers, by Dr. Nigel Arnell
2005-2006, Introductory Geographical Information Systems, by Dr. Sam Cockings
2003-2004, Geostatistics for Environmental Applications, by Dr. Peter Atkinson

ADVISING OF PHD STUDENTS

Major Advisor	Farah Faizah (2021-22), Abid Hasan Khan (2024-)
Committee members	Cardella Leak (2019), Tony Lugemwa (2024), Chinonyelum Nwosu, Lindsey Grant

PROFESSIONAL AFFILIATIONS AND SERVICES

PROFESSIONAL ORGANIZATION MEMBER

- Gerontological Society of America, co-convener for Transportation and Aging Interest Group (1/1/25-12/31/27)
- Interdisciplinary Association for Population Health Science
- Society of Behavioral Medicine
- China Health Policy and Management Society
- American Public Health Association
- American Association of Geographers
- Royal Geographical Society (with the Institute of British Geographers)

JOURNAL SERVICE

- Guest editor, 2024-2025, Special Issue "Transportation and Public Health: Pathways, Challenges, and Innovation", International Journal of Environmental Research and Public Health

AD-HOC JOURNAL REVIEWER

1. Addictive Behaviors
2. Aging and Mental health
3. American Journal of Epidemiology
4. American Journal of Health Behavior
5. American Journal of Health Promotion
6. American Journal of Preventive Medicine
7. American Journal of Public Health
8. Annals of the Association of American Geographers
9. Annals of Behavioral Medicine
10. Annals of GIS
11. Annals of Internal Medicine
12. Annals of Regional Science
13. Applied Geography
14. BioMed Research International
15. BMC Health Services & Research
16. BMC Public Health
17. Clinical Psychology Review
18. Computers, Environment and Urban Systems
19. Emerging Infectious Diseases
20. Environment and Behavior
21. Epidemiology
22. Geriatrics
23. Health and Place
24. Health Behavior and Public Health
25. Health Equity
26. Health Education & Behavior
27. International Journal of Environmental Research and Public Health
28. International Journal of Health Geographics
29. International Journal of Behavioral Nutrition and Physical Activity
30. International Journal of Sustainable transportation
31. Journal of Adolescent Health
32. Journal of Artificial Societies and Social Simulation
33. Journal of Planning Education and Research
34. Journal of Physical Activity and Health
35. Journal of Public Health Policy
36. Journal of the Royal Society Interface
37. Journal of Smoking Cessation

38. Journal of Studies on Alcohol and Drugs
39. Journal of Transport Geography
40. Journal of Transport and Health
41. Journal of Urban Health
42. Landscape and Urban Planning
43. Nicotine & Tobacco Research
44. PLOS ONE
45. Preventing Chronic Disease
46. Preventive Medicine
47. Preventive medicine Reports
48. Prevention Science
49. Proceedings of the National Academy of Sciences of the United States of America (PNAS)
50. Public Health
51. Scientific Reports
52. Social Science and Medicine
53. Social Science and Medicine - Population Health
54. Substance Use and Misuse
55. Tobacco Control
56. Tobacco Induced Diseases
57. Tobacco Prevention and Cessation
58. Transportation Research Part A: Policy and Practice
59. Transactions in GIS
60. Urban Studies

GRANT REVIEWERS
1. 2024, Ad-hoc Reviewer, Pilot Project Grants Program, Climate Change and Urban Health Center at the Drexel University
2. 2023, Ad-hoc Reviewer, Community Influences on Health Behavior Study Section, NIH
3. 2023, Ad-hoc Reviewer, National Research Foundation, Singapore
4. 2020, Ad-hoc Reviewer, Social Sciences and Population Studies Section, NIH
5. 2019, Ad-hoc Reviewer, Wellcome Collaborative Award in Science, Wellcome Trust, UK
6. 2019, Ad-hoc Reviewer, Netherlands Organization for Scientific Research, the Netherlands
7. 2014, Ad-hoc Reviewer, Economic and Social Research Council, United Kingdom
8. 2013, Ad-hoc Reviewer, Swiss National Science Foundation, Division of Humanities & Social Sciences
9. 2013, Ad-hoc Reviewer, European Research Council, ERC Consolidator Grant 1st Call

BOOK REVIEWERS
2017   Spatial Health Inequalities: Adapting GIS Tools and Data Analysis, by Dr. Esra Ozdenerol, International Journal of Geographical Information Science
2012   Handbook of Applied Systems Science, Edited by Zachary P. Neal, Routledge

CONFERENCE SERVICES
2021   Member of the planning committee, Fall 2021 NIH Tobacco Regulatory Science Meeting
2017   Ad-hoc Reviewer, National Conference on Undergraduate Research
2016-2019   Panel Member of Program Committee, International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction and Behavior Representation in Modeling and Simulation

INTERNAL SERVICES
1. Judge for Student Research Forum, University of Memphis, Memphis, 2019-2021
2. Coordinator, Addictive Behaviors Journal Club, University of Memphis, 2019-2021
3. Committee on Faculty Affairs and Development, 2018-2021
4. Marketing Committee for the School of Public Health, 2017-2021
5. Admissions Committee for Ph.D. in Social and Behavioral Science, 2017-present
6. Admissions Committee for Master of Public Health, 2017-2018
7. Faculty Reviewers of Student Global Health Internship Application, School of Public Health, University of Michigan, Ann Arbor, 2013

8. Coordinator for the seminar series of Population Health and Complex System at School of Public Health, University of Michigan, Ann Arbor, 2011-2012