

Sandy Wong

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RESEARCH & TEACHING INTERESTS

GIS, Environmental Justice, Health Inequities, Disability & Social Processes of Disablement, Environmental Influences on Well-Being, Mobility, Social Policy, Mixed Methods

EDUCATION

- 2017 **Ph.D.** Geography. University of Illinois at Urbana-Champaign (UIUC).
2013 **M.A.** Geography. The Ohio State University (OSU).
2010 **B.A.** Geography & Asian and Middle Eastern Studies. Dartmouth College.

ACADEMIC EXPERIENCE

- 2023 **Assistant Professor.** Department of Geography. OSU.
2019 - 2023 **Assistant Professor.** Department of Geography & Public Health Program. Florida State University (FSU).
2021 - 2023 **Faculty Associate.** Pepper Institute on Aging and Public Policy. FSU.
2017 - 2018 **Postdoctoral Fellow.** Department of Environmental Medicine & Public Health. Icahn School of Medicine at Mount Sinai.
2010 - 2011 **Research Assistant.** Department of Geography. Dartmouth College.
2011 **Research Assistant.** U.S. Army Cold Regions Research and Engineering Laboratory (CRREL).

PUBLICATIONS

Refereed Journal Articles in Print

- 2023 Kang, J-Y., **Wong, S.**, Park, J., Lee, J., & Aldstadt, J. Exploring Spatial Mismatch between Primary Care and Older Populations in an Aging Country: A Case Study of South Korea. *ISPRS International Journal of Geo-Information*. DOI: 10.3390/ijgi12070255.

- 2023 Planey, A.M., Planey, D.A., **Wong, S.**, McLafferty, S.L., & Ko, M.J. Structural Factors and Racial/Ethnic Inequities in Travel Times to Acute Care Hospitals in the Rural US South, 2007–2018. *The Milbank Quarterly*. DOI: 10.1111/1468-0009.12655.
- 2023 **Wong, S.**, Ponder, C.S., & Melix, B. Spatial and racial covid-19 disparities in U.S. nursing homes. *Social Science & Medicine*. DOI: 10.1016/j.socscimed.2023.115894.
- 2023 **Wong, S.**, Rush, J., Bailey, F.J., & Just, A.C. Accessible green spaces? Spatial disparities in residential greenspace among people with disabilities in the U.S. *Annals of the American Association of Geographers*. DOI: 10.1080/24694452.2022.2106177.
- 2022 Therrien, M.S., Barton-Hulsey, A., & **Wong, S.** A Scoping Review of the Playground Experiences of Children with AAC Needs. *Augmentative and Alternative Communication*. DOI: 10.1080/07434618.2022.2155874.
- 2022 Planey, A.M., **Wong, S.**, Planey, D.A., & Ko, M. (Applied) Geography, Policy, & Time: Whither health and medical geography? *Space and Polity*. DOI: 10.1080/13562576.2022.2098649.
- 2022 Holmes, T.J., Williams, P., **Wong, S.**, Smith, K., Bandzuh, J.T., & Uejio, C.K. Assessment of an evacuation shelter program for people with access and functional needs in Monroe County, Florida during Hurricane Irma. *Social Science & Medicine*. DOI: 10.1016/j.socscimed.2022.115108.
- 2021 Gutiérrez-Avila, I., Arfer, K.B., **Wong, S.**, Rush, J., Kloog, I., & Just, A.C. A spatiotemporal reconstruction of daily ambient temperature using satellite data in the Megalopolis of Central Mexico from 2003-2019. *International Journal of Climatology*. DOI: 10.1002/joc.7060.
- 2020 **Wong, S.**, Cantoral, A., Téllez-Rojo, M.M., Pantic, I., Oken, E., Svensson, K., Dorman, M., Gutiérrez-Avila, I., Rush, J., McRae, N., Wright, R.O., Baccarelli, A.A., Kloog, I., & Just, A.C. Associations between daily ambient temperature and sedentary time among children 4-6 years old in Mexico City. *PLOS One*, 15(10). DOI: 10.1371/journal.pone.0241446.
- 2020 **Wong, S.**, McLafferty, S., Planey, A. & Preston, V. 2020. Disability, wages, and commuting in New York. *Journal of Transport Geography*, 87. DOI: 10.1016/j.jtrangeo.2020.102818

- 2018 **Wong, S.** Traveling with blindness: A qualitative space-time approach to understanding visual impairment and urban mobility. *Health & Place*, 49, 85-92. DOI: 10.1016/j.healthplace.2017.11.009
- 2018 **Wong, S.** The limitations of using activity space measurements for representing the mobilities of individuals with visual impairment: A mixed methods case study in the San Francisco Bay Area. *Journal of Transport Geography*, 66, 300-308. DOI: 10.1016/j.jtrangeo.2017.12.004
- 2016 **Wong, S.** Geographies of medicalized welfare: Spatial analysis of Supplemental Security Income in the U.S., 2000 – 2010. *Social Science & Medicine*, 160, 9-19. DOI: 10.1016/j.socscimed.2016.05.018
- 2014 Wright, R., Ellis, M., Holloway, S. & **Wong, S.** Patterns of racial diversity and segregation in the United States: 1990 – 2010. *The Professional Geographer*, 66(2), 173-182. DOI: 10.1080/00330124.2012.735924

Refereed Journal Article Under Review

Ahn, Y., Uejio, C.K., Wong, S., Powell, E., & Holmes, T. Spatial Disparities in Air Conditioning Ownership in Florida, United States. Minor Revision to *Journal of Maps*.

Book Chapters

- 2023 **Wong, S.** & Beljaars, D. Geographies of disability: On the potential of mixed methods. In M.W. Rosenberg, S. Lovell & S.E. Coen (Eds.), *Handbook of Methodologies in Human Geography*.
- 2018 McLafferty, S. & **Wong, S.** Spatial modeling's place in health geography: Trends, critiques, and future directions. In V.A. Crooks, G. Andrews & J. Pearce (Eds.), *Routledge Handbook of Health Geography*.

Technical Report

- 2013 Burzynski, A., **Wong, S.**, Mercer, J., Deeb, E. & Newman, S. Site Assessment and Feasibility of a New Operations Base on the Greenland Ice Sheet. U.S. Army ERDC (Engineer Research & Development Center)/CRREL (Cold Regions Research & Engineering Laboratory) Technical Report 13-11.

Research Product

- 2021 Gutiérrez-Avila, I., Arfer, K.B., **Wong, S.**, Rush, J., Kloog, I., & Just, A.C. A spatiotemporal reconstruction of daily ambient temperature using satellite data in the Megalopolis of Central Mexico from 2003-2019 [Data set]. Zenodo.
<http://doi.org/10.5281/zenodo.3362524>.

PRESENTATIONS

Conference Papers

- 2023 **Wong, S.**, Rush, J., Bailey, F., & Just, A. Socio-spatial disparities in residential green space among people with disabilities in the U.S. *AAG Annual Meeting*, Denver, CO.
- 2023 Planey, A.M., **Wong, S.**, Planey, D.A., Winata, F., & Ko, M.J. Longer Travel Times to Acute Hospitals are Associated with Lower Likelihood of Cancer Screening Receipt among Rural-Dwelling Adults in the U.S. South. *AAG Annual Meeting*, Denver, CO.
- 2022 **Wong, S.** & Therrien, M. Equity in playground access: Possibilities and challenges for participatory research. *AAG Annual Meeting*, Virtual.
- 2021 **Wong, S.**, McLafferty, S.L., Planey, A.M., & Preston, V.A. Wage & commute gaps: Implications for job and transport access for disabled workers in New York. *AAG Annual Meeting*, Virtual.
- 2021 Planey, A.M., Planey, D.A., **Wong, S.**, McLafferty, S.L., & Ko, M. Rural Hospital Closures in the US South and Changes in Spatial Access to Acute Care, 2007-2018. *AAG Annual Meeting*, Virtual.
- 2021 Kang, J-Y., **Wong, S.**, Park, J., Lee, J., Aldstadt, J., & Park, J.H. Measuring Spatial Accessibility to Healthcare Service for Elderly Populations in South Korean Cities. *AAG Annual Meeting*, Virtual.
- 2020 **Wong, S.**, McLafferty, S.L., & Planey, A.M. Disability, wages, and commuting in New York. *AAG Annual Meeting*, Denver, CO. (Cancelled due to COVID-19)
- 2020 Planey, A.M., Planey, D.A., **Wong, S.**, McLafferty, S.L., & Ko, M. Hospital Closures in the U.S. South: Demographic and Socioeconomic Correlates of Changes in Acute Care Accessibility. *AAG Annual Meeting*, Denver, CO. (Cancelled due to COVID-19)

- 2020 Therrien, M.C.S., Biggs, E.E., & **Wong, S.** Social Interaction, Communication and Play at Community Playgrounds: Challenges and Successes. *International Society for Augmentative and Alternative Communication*, Cancun, Mexico. (Cancelled due to COVID-19)
- 2019 **Wong, S.** Blind and on the move: Representing the activity spaces of individuals with visual impairment in the San Francisco Bay Area. *International Medical Geography Symposium*, Queenstown, New Zealand.
- 2019 **Wong, S.**, Téllez-Rojo, M.M., Cantoral, A., Moncada, E., Pantic, I., Oken, E., Thompson, J.W., Svensson, K., Arfer, K., Wright, R.O., Baccarelli, A., Kloog, I., & Just, A.C. “Children Not at Play: Associations between Sedentary Activity and Environmental Exposures among Mexico City Youth. *AAG Annual Meeting*, Washington, DC.
- 2018 **Wong, S.**, Téllez-Rojo, M.M., Cantoral, A., Moncada, E., Pantic, I., Oken, E., Thompson, J.W., Svensson, K., Wright, R.O., Baccarelli, A., Kloog, I., & Just, A.C. “Associations between Children’s Physical Activity and Exposures to Air Temperature and Green Space in Mexico City. *ISES-ISEE Joint Annual Meeting*, Ottawa, Canada.
- 2018 **Wong, S.** “Neighborhoods & Health: Contextualizing Individual Exposures.” *Using earth observation (EO) data products for environmental exposure assessment – exploring new products, novel geospatial methodologies and data fusion/machine learning techniques*, Basel, Switzerland.
- 2017 **Wong, S.** “Visual Impairment & Urban Mobilities: An Evaluation of Time Geographic Techniques to Understanding Movement.” *AAG Annual Meeting*, Boston, MA.
- 2016 **Wong, S.** “The Geography of Medicalized Welfare: A Spatial Analysis of Supplemental Security Income in the U.S., 2000 – 2010.” *AAG Annual Meeting*, San Francisco, CA.
- 2015 **Wong, S.** “Dis/abling Mobilities: Urban-Rural Experiences of Visual Impairment, Employment, and Well-Being.” *Annual Meeting of the West Lakes Division of the AAG*, Eau Claire, WI.
- 2015 **Wong, S.** “Exploring Spatial Trends of Vision Disability in California.” *AAG Annual Meeting*, Chicago, IL.
- 2013 **Wong, S.** “Weighty Experiments: Obesity Prevention Approaches in Columbus, Ohio.” *AAG Annual Meeting*, Los Angeles, CA.

- 2012 **Wong, S.** & Wright, R. “Enclave Evolution? Contemporary Asian Residential Concentration Patterns in the US.” *AAG Annual Meeting*, New York City, NY.
- 2012 Wright, R., Ellis, M., Holloway, S. & **Wong, S.** “Patterns of Racial Diversity and Segregation in the United States: 1990 – 2010.” *AAG Annual Meeting*, New York City, NY.

Colloquia

- 2021 **Wong, S.** Accessible Green Spaces? Using Geographic Approaches to Investigate Green Space Access Among People with Disabilities in the U.S. *Geosciences Speaker Series*, Mississippi State University, Virtual.
- 2019 **Wong, S.** (Im)mobilities and Health: Two GIS Studies in San Francisco and Mexico City. *Annual Geography Speaker Series*, Mount Holyoke College, South Hadley, MA.
- 2018 **Wong, S.** Novel Geographic Techniques to Investigate the Relationship between Temperature and Physical (In)activity among Children. *Environmental Medicine and Public Health Seminar*, New York, NY.

Posters

- 2022 Planey, A., Planey, D., **Wong, S.**, Winata, F., & Ko, M. “Longer Travel Times to Acute Hospitals Are Associated with Lower Likelihood of Preventive Care and Cancer Screening Receipt Among Rural-Dwelling Adults in the U.S. South.” *AcademyHealth Annual Research Meeting*, Washington, D.C.
- 2021 Robinson, G., Lewis, M., **Wong, S.**, & Therrien, M. “Playground Accessibility: A Scoping Review.” *Florida State University Undergraduate Research Symposium*, Virtual.
- 2021 Atencio, C., Ivey, L., Ponder, S., & **Wong, S.** “COVID-19 in U.S. Nursing Homes: Content Analysis of News Media.” *Florida State University Undergraduate Research Symposium*, Virtual.
- 2020 Planey, A., Planey, D., **Wong, S.**, McLafferty, S.L., & Ko, M. Rural Hospital Closures in the US South: Implications for Spatial Access to Acute Care. *AcademyHealth Annual Research Meeting*, Virtual.

- 2020 Sheahan, K., Millo, M., Therrien, M., & **Wong, S.** “It’s Playtime! The Experiences of Children with and without Disabilities on Community Playgrounds.” *Florida State University Undergraduate Research Symposium*, Virtual.
- 2018 Rowland, S., Just, A., Boehme, A., Rush, J., **Wong, S.**, Frye, B., Goldsmith, J., Kloog, I., & Kioumourtoglou, M. “Short-Term Temperature Variability and Risk of Stroke.” *ISES-ISEE Joint Annual Meeting*, Ottawa, Canada.
- 2014 **Wong, S.** & Fishman, J. “Spatial Distributions of Supplemental Security Income Recipients in the U.S.” *UIUC English Graduate Student Association Colloquium*, Champaign-Urbana, IL.
- 2014 **Wong, S.** & Fishman, J. “Spatial Distributions of Supplemental Security Income Recipients in the U.S.” *AAG Annual Meeting*, Tampa, FL.
- 2014 **Wong, S.** & Fishman, J. “Spatial Distributions of Supplemental Security Income Recipients in the U.S.” *UIUC School of Earth, Society, and Environment Research Review*, Champaign-Urbana, IL.

Panels

- 2019 **Panelist.** “2019 AAG Leadership Symposium. Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Progress.” *AAG Annual Meeting*, Washington, DC.
- 2018 **Panelist.** “Navigating the Post-PhD Job Market: Experiences Shared by Successful Candidates.” *Child Health Research Series*, New York, NY.

Sessions Organized

- 2021 **Chair & Co-Organizer.** “Geographies of Health” session series (2 sessions, 8 presenters). With M. Rosenberg & K. Mwenda. *AAG Annual Meeting*, Virtual.
- 2020 **Chair & Co-Organizer.** “Geographies of Health & Health Care” session series (4 sessions, 20 presenters). With M. Rosenberg & K. Mwenda. *AAG Annual Meeting*, Denver, CO. (Cancelled due to COVID-19)
- 2017 **Chair & Co-Organizer.** “Geographies of Disability” session series (3 sessions, 14 presenters, 1 discussant). With A. Myers & S. Zimmermann-Janschitz. *AAG Annual Meeting*, Boston, MA.

2016 **Chair & Co-Organizer.** “Disability Geography” session series (2 sessions, 10 presenters). With J. Finlay. *AAG Annual Meeting*, San Francisco, CA.

GRANTS, FELLOWSHIPS, AND AWARDS

Awarded

- 2021 FSU Claude Pepper Center Grant. \$25,000. *Project Title:* Nursing home experiences during a pandemic: Investigating risk factors for covid-19 and its impacts on relational care. *Role:* PI.
- 2020 FSU First Year Assistant Professor Award Program. \$20,000. *Project Title:* Disability and green space access in the U.S. *Role:* PI.
- 2019 FSU Provost Travel Grant. \$1500.
- 2017 UIUC President’s Research in Diversity Travel Assistance Program. \$600.
- 2016 UIUC Department of Geography & Geographic Information Science (GGIS) Messina-Stanley Summer Field Scholarship. \$1000.
- 2016 American Association of Geographers (AAG) Dissertation Grant. \$1000.
- 2016 Robert Ferber Dissertation Award, University of Illinois at Chicago, Survey Research Laboratory. \$2000.
- 2016 Peter Gould Student Paper Award, AAG Health & Medical Geography Specialty Group. \$250.
- 2015 UIUC Graduate College Dissertation Research Grant in the Humanities, Arts and Social Sciences. \$500.
- 2015 UIUC GGIS Summer Field Research Scholarship. \$833.
- 2015 Second Place, PhD Student Research Paper Presentation, Annual Meeting of the West Lakes Division of the AAG
- 2015 UIUC List of Teachers Ranked as Excellent by Their Students (GEOG 105)
- 2014 First Place Poster in GGIS; UIUC School of Earth, Society, and Environment Research Review
- 2014 UIUC GGIS Messina-Stanley Graduate Scholarship. \$875.
- 2014 UIUC Graduate College Conference Travel Award. \$250.
- 2013 UIUC Illinois Distinguished Fellowship, \$25000 stipend per year for 3 years plus tuition and fees.
- 2012 Honorable Mention; National Science Foundation Graduate Research Fellowship Program
- 2011 OSU College of Social and Behavioral Sciences Travel Award. \$860.
- 2011 OSU Graduate School University Fellowship. \$1435.

TEACHING EXPERIENCE

Instructor

2019 - 2023 Department of Geography & Public Health Program. FSU.
GIS & Health (GIS 4421): Undergraduate only.
Health & Medical Geography (GEO 4450/5451): Undergraduate & Graduate.
Introduction to GIS (GIS 4043/5101): Undergraduate & Graduate.
Disability, Space, and Society (GEO 5934): Graduate Seminar.
Directed Independent Studies (DIS): Veronica Gomes (PhD, Spring 2019),
Madeline Levey (MS, Spring 2020)

Teaching Assistant

2014 - 2015 Department of Geography & GIS. UIUC.
The Digital Earth (GEOG 105): Undergraduate only.
Global Development & Environment (GEOG 101): Undergraduate only.

2012 - 2013 Department of Geography. OSU.
Elements of Cartography (GEOG 5200S): Undergraduate only.
Economic & Social Geography (GEOG 2400): Undergraduate only.

2010 - 2011 Department of Geography. Dartmouth College.
Introduction to International Development (GEOG 6): Undergraduate only.
Introduction to Human Geography (GEOG 1): Undergraduate only.
Social Justice & the City (GEOG 25): Undergraduate only.

Guest Lecture

2019 Department of Geography. Mount Holyoke College.
GIS for the Social Sciences & Humanities (GEOG 210): Undergraduate only.

STUDENT ADVISING

Active Graduate Student Committees

1. Bertram Melix (PhD), Geography, FSU (Committee member).
2. Elaina Gonsoroski (PhD), Geography, FSU (Committee member).
3. Helena Safron (PhD), Geography, FSU (Committee member).

Completed Graduate Student Committees

1. Kyusik Kim (PhD), Geography, FSU (Committee member) – Graduated in Summer 2023.
2. Quinn Steele (MS), Geography, FSU (Co-Advisor) – Graduated in Summer 2023.
3. Jesse Fried (MS), Geography, FSU (Co-Advisor) – Graduated in Spring 2023.
4. J.T. Bandzuh (PhD), Geography, FSU (Committee member) – Graduated in Spring 2023.
5. Yoonjung Ahn (PhD), Geography, FSU (Committee member) – Graduated in Spring 2022.
6. Madeline Levey (MS), Geography, FSU (Committee member) - Graduated in Spring 2020.
7. Zoe Schroder (PhD), Geography, FSU (Committee member, preliminary exam only) - Spring 2020.
8. Hannah Heinke-Green (MS), Geography, FSU (Committee member) - Graduated in Fall 2019.
9. Jihoon Jung (PhD), Geography, FSU (Committee member) - Graduated in Fall 2019.
10. Veronica Gomes (PhD), Geography, FSU (Committee member, preliminary exam only) - Fall 2019.

Research Supervisor

- Robynn O’Leary (MS GIS), Geography, FSU - Research Assistant in Summer 2021
- Samantha Spore (MS, Communication Sciences and Disorders), Korrin Sheahan (UROP), Melanie Millo (UROP), Mia Lewis (UROP), Grace Robinson-Petro (UROP).
Co-Supervisor: Michelle Therrien.
- Camila Atencio (UROP), Lindsey Ivey (UROP). Co-Supervisor: Sage Ponder.
- Franklin Bailey (MS GIS), Geography, FSU - Research Assistant in Summer 2019

SERVICE

Disciplinary Service

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| 2021 - 2023 | Member , AAG Strategic Communications Editorial Board |
| 2020 - 2021 | Member , AAG Accessibility Task Force |
| 2018 - 2020 | Chair , AAG Disability Specialty Group |
| 2016 - 2018 | Secretary-Treasurer , AAG Disability Specialty Group |
| 2016 - 2017 | GeoMentor to Advanced Placement Human Geography teacher |
| 2015 - 2017 | Board Member , AAG Disability Specialty Group |
| 2013 - present | Referee , <i>Annals of the American Association of Geographers</i> (x2), <i>Applied Geography</i> , <i>Case Studies on Transport Policy</i> , <i>Health & Place</i> (x3), <i>Israel</i> |

Science Foundation, *Journal of Exposure Science and Environmental Epidemiology*, *Journal of Transport Geography* (x3), Rowman & Littlefield (Textbook Proposal), Social Sciences and Humanities Research Council (Grant Application), *Transportation*

University/College Service

2021 - 2022 **Co-Facilitator**, FSU COSSPP BIPOC Faculty Network
2021 **Faculty Marshal**, FSU COSSPP Spring Commencement Ceremony
2020 **Facilitator**, FSU College of Social Sciences & Public Policy Assistant Professor Group
2019 **Invited Participant**, FSU College of Social Sciences & Public Policy Women Graduate Students Network Professional Development Event
2015 - 2017 **Awards Committee Member**, UIUC College of Liberal Arts & Sciences
2013 **Invited Participant**, UIUC Campus Conversation on Undergraduate Education

Department Service

2022 **Postdoctoral Selection Committee**, FSU Pepper Institute on Aging and Public Policy
2021 - 2022 **Diversity, Equity, and Inclusion Committee Member**, FSU Department of Geography
2021 **Reviewer**, FSU Geography Department Action Plan for Graduate Policy Committee Recommendations
2019 - present **Implementation Committee Member**, FSU Bachelor's in Public Health Program
2019 **Colloquium Director**, FSU Department of Geography
2016 - 2017 **Faculty Representative**, UIUC Geography Graduate Student Association
2014 - 2015 **Treasurer**, UIUC Geography Graduate Student Association
2014 - 2015 **Graduate Student Representative**, UIUC GIS Website Committee
2012 - 2013 **Speakers Committee Representative**, OSU Geography Graduate Organization
2012 **Organization Committee Member**, OSU Geography Graduate Organization Panel Discussion

Outreach

2021 FSU COSSPP Wicked Problems, Wicked Solutions Blog Post. "Meet a Social Scientist: Dr. Wong from Geography." <https://wicked-solutions.blog/2021/05/13/meet-a-social-scientist-dr-wong-from-geography/>

2021 FSU COSSPP Wicked Problems, Wicked Solutions Blog Post. “Sedentary Time Linked to Weather for Kids in Mexico City.” <https://wicked-solutions.blog/2021/01/25/sedentary-time-linked-to-weather-for-kids-in-mexico-city/>

PROFESSIONAL MEMBERSHIPS _____

2012 - present American Association of Geographers