

SARA L. MCLAFFERTY

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University of Illinois at Urbana-Champaign
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EDUCATION

1979 Ph.D., Geography, University of Iowa
1977 M.A., Geography, University of Iowa
1973 B.A., Geography, Barnard College, Columbia University (magna cum laude)

PROFESSIONAL EXPERIENCE

2021- present Professor Emerita, Department of Geography & GIScience, UIUC
2001-2021 Professor, Department of Geography & GIScience, University of Illinois at Urbana-Champaign

- Department Head, 2012 - 2017
- Associate Head, 2004 – 2007, 2008 – 2011
- Director of Undergraduate Studies, 2019-2021

1999-2001 Professor, Department of Geography, Hunter College, CUNY

- Department Chairperson, 2000 - 2001

1987-1998 Associate Professor, Department of Geography, Hunter College, CUNY
1980-1987 Assistant Professor, Department of Geography, Columbia University

HONORS

Carolyn Merry Mentoring Award, University Consortium for GIS, 2020
Fellow, American Association of Geographers, 2020
Melinda Meade Distinguished Scholarship Award, Health & Medical Geography Specialty Group, American Association of Geographers, 2015.
Anastasia Van Burkalow Distinguished Service Award, Department of Geography, Hunter College, 2014
Meritorious Service Award, Society of Woman Geographers, 2002.
List of Teachers Ranked as Excellent, UIUC: Spring 2021 (GEOG 371), Fall 2020 (GEOG 205), Spring 2021 (GEOG 371), Fall 2020 (GEOG 205), Spring 2020 (GEOG 371), Spring 2018 (GEOG 438), Fall 2014 (GEOG 570), Spring 2014 (GEOG 371), Fall 2012 (GEOG 570), Spring 2009 (GEOG 371), Fall 2006 (GEOG 479)

PUBLICATIONS

Books:

D. Harrington, S. McLafferty, S. Elliott, eds. (2016) *Population Health Intervention Research: Geographical Perspectives*, Ashgate Publishing.

E. Cromley and S. McLafferty (2011). *GIS and Public Health*, 2nd edition. New York: Guilford Press, 503 pp.

J. Maantay and S. McLafferty, eds. (2011). *Geospatial Analysis and Environmental Health*. New York: Springer.

T. Brown, S. McLafferty and G. Moon, eds. (2010). *A Companion to Health and Medical Geography*.

London: Blackwell.

M-P. Kwan and S. McLafferty (2009) Co-Section Editors, 'Methods' section, *International Encyclopedia in Human Geography*, Oxford: Elsevier. (Editors-In-Chief: R. Kitchen and N. Thrift)

E. Cromley and S. McLafferty (2002). *GIS and Public Health*, New York: Guilford Press, 328 pp.

I. Dyck, N Lewis, and S. McLafferty, eds, (2001) *Geographies of Women's Health*, New York: Routledge, 287 pp.

A. Ghosh and S. McLafferty (1987). *Location Strategies for Retail and Service Firms*, Lexington, MA: D.C. Heath, 213 pp.

Peer-Reviewed Journal Articles (*student advisee co-author):

Planey A., Grady S., Fetaw R., McLafferty S. (2022) Spaces of segregation and health: Complex associations for Black immigrant and U.S.-born mothers in New York City. *Journal of Urban Health*. <https://doi.org/10.1007/s11524-022-00634-6>

Franklin, RS, Delmelle, EC, Andris, C., Cheng, T., Dodge, S., Franklin, J., Heppenstall, A., Kwan, M., Li, W., McLafferty, S., Miller, JA, Munroe, DK, Nelson, T., Öner, Ö., Pumain, D., Stewart, K., Tong, D., Wentz, EA. (2022) Making Space in Geographical Analysis. *Geographical Analysis*, <https://doi.org/10.1111/gean.12325>

Morioka, W., Okabe A., Kwan M., McLafferty S. (2021) An exact statistical method for analyzing co-location on a street network and its computational implementation. *Transactions in GIS*, <https://doi.org/10.1080/13658816.2021.1976409>

Winata, F.*, McLafferty, S. (2021) Spatial and socioeconomic inequalities in the availability of community health centres in the Jakarta region, Indonesia. *Geospatial Health*. <https://www.geospatialhealth.net/index.php/gh/article/view/982/993>

Ibrahim, MB, McLafferty, S, Grady, S. (2020). Winter malaria, urban environmental mismanagement, and climate change in Khartoum City, Sudan. *African Geographical Review*. <https://doi.org/10.1080/19376812.2020.1858893>

Wong, S., McLafferty, S., Planey, A., Preston, V. (2020). Disability, wages, and commuting in New York. *Journal of Transport Geography*. <https://doi.org/10.1016/j.jtrangeo.2020.102818>

Freeman, VL, Naylor, KB, Boylan EE, Booth, BJ, Pugach O, Barrett, RE, Campbell, RT, McLafferty, S. (2020) Spatial access to primary care providers and colorectal cancer-specific survival in Cook County, Illinois, *Cancer Medicine*, <https://doi.org/10.1002/cam4.2957>

McLafferty, S., Schneider D., Abelt, K.* (2020). Placing volunteered geographic health information: Socio-spatial bias in 311 bed bug report data for New York City, *Health & Place*, 62. <https://doi.org/10.1016/j.healthplace.2019.102282>

McLafferty, S. (2020) Place and quantitative methods: Critical directions in quantitative approaches to health and place. *Health & Place*, <https://doi.org/10.1016/j.healthplace.2019.102232>

Zahnd WE, Sherman RL, Klonoff-Cohen H, McLafferty SL, Farner S, Rosenblatt KA. (2019) Breast cancer staging by subtype in the Lower Mississippi Delta Region states. *Cancer Epidemiology*. 63, <https://doi.org/10.1016/j.canep.2019.101624>

Zahnd, W., McLafferty, S., Eberth, J. (2019) Multilevel analysis in rural cancer control: A conceptual framework and methodological implications. *Preventive Medicine*, 129, [105835]. <https://doi.org/10.1016/j.ypmed.2019.105835>

Maciejewska, M.*, McLafferty S., Preston V. (2019) Women's changing commutes: The work trips of single mothers in the New York region, 2000-2010. *Built Environment*, 45(4), 544-62. <https://doi.org/10.2148/benv.45.4.544>

Zahnd W, Sherman RL, Klonoff-Cohen H, McLafferty SL, Farner S, Rosenblatt K. (2019) Disparities in breast cancer subtypes among women in the Lower Mississippi Delta Region states, *Cancer Causes and Control*. doi: 10.1007/s10552-019-01168-0

McLafferty, S., Preston, V. (2019) Who has long commutes to low-wage jobs? Gender, race, and access to work in the New York Region. *Urban Geography*, <https://doi.org/10.1080/02723638.2019.1577091>

Zahnd, W., McLafferty S., Sherman R., Klonoff-Cohen H., Farner S., Rosenblatt K. (2019) Spatial accessibility to mammography services in the lower Mississippi Delta Region states. *Journal of Rural Health*, 1-10. <https://doi.org/10.1111/jrh.12349>

Xu, L*., Kwan M-P, McLafferty, S., Wang, S. (2017) Predicting demand for 311 non-emergency municipal services: An adaptive space-time kernel approach. *Applied Geography*, 89, 133-141. <https://doi.org/10.1016/j.apgeog.2017.10.012>

Zahnd, W., McLafferty, S. (2017) Contextual effects and cancer outcomes in the United States: A systematic review of characteristics in multilevel analyses. *Annals of Epidemiology*. 27(11), 739-748 e3. <http://dx.doi.org/10.1016/j.annepidem.2017.10.002>

Freeman, V., Boylan, E., Pugach, O., McLafferty, S., Tossas-Milligan, K., Watson, K., Winn, R.A. (2017) A geographic information system-based method for estimating cancer rates in non-census defined geographical areas. *Cancer Causes and Control*, DOI 10.1007/s10552-017-0941-8.

Abelt, K.*, McLafferty, S. (2017) Green streets: Urban green and birth outcomes. *International Journal of Environmental Research and Public Health*, 14(7), 771; DOI:10.3390/ijerph14070771

Fishman, J.*, McLafferty, S., Galanter, W. (2016) Does spatial access to primary care affect emergency department utilization for non-emergent conditions? *Health Services Research*, DOI: 10.1111/1475-6773.12617

Preston, V., McLafferty, S. (2016). Revisiting gender, race and commuting in New York. *Annals of the Association of American Geographers*. 106(2):300-310. DOI:10.1080/00045608.2015.1113118

McLafferty, S. (2015) Disease cluster detection methods: Recent developments and public health implications. *Annals of GIS*. DOI: 10.1080/19475683.2015.1008572

- Wang, F., Guo, D., McLafferty S. (2012) Constructing geographic areas for cancer data analysis: A case study on late-stage breast cancer risk in Illinois. *Applied Geography*, 35, 1-11.
- McLafferty, S., Widener, M.*, Chakrabarti, R.*, Grady, S. (2012). Ethnic density and maternal and infant health inequalities: Bangladeshi immigrant women in New York City in the 1990s. *Annals of the Association of American Geographers*. DOI:10.1080/00045608.2012.674901.
- McLafferty, S., Freeman, VL, Barrett, RA, Luo, L.*, Shockley, A.* (2012). Spatial error in geocoding physician location data from the AMA Physician Masterfile: Implications for spatial accessibility analysis. *Spatial & Spatiotemporal Epidemiology*, 3, 31-38.
- McLafferty, S., Wang, F., Luo, L.*, Butler, J.* (2011). Rural-urban inequalities in late-stage breast cancer: spatial and social dimensions of risk and access, *Environment and Planning B*, 38, 726-740.
- Cope, M.*, McLafferty, S., Rhoads, B. (2011) Farmer attitudes toward production of perennial energy grasses in east central Illinois: Implications for community-based decision making. *Annals of the Association of American Geographers*, 101(4), 852-862.
- Luo L.*, McLafferty, S., Wang F. (2010). Analyzing spatial aggregation error in statistical models of late-stage cancer risk: A Monte Carlo simulation approach. *International Journal of Health Geographics*, 9:51.
- Tedesco, C.*, Ruiz, M. and McLafferty, S. (2010). Mosquito politics: Vector control policies and the spread of West Nile virus in the Chicago region. *Health and Place*, 16(6), 1188-1195.
- McLafferty, S. (2010). Placing pandemics: Geographic dimensions of vulnerability and spread. *Eurasian Geography and Economics*, 51(2), 1-19.
- McLafferty, S. and Preston, V. (2010) Quotidian geographies: Placing feminism. *Gender, Place and Culture*, 17(1): 55-60.
- Wang, F., Luo, L.*, McLafferty, S.. (2010) -Healthcare access, socioeconomic factors and late-stage cancer diagnosis: An exploratory spatial analysis and public policy implication, *International Journal of Public Policy*, 5, 2/3, 241-262..
- McLafferty, S., and Wang, F. (2009) Rural reversal? Rural-urban disparities in late-stage cancer risk in Illinois, *Cancer*, 115(12):2755-2764.
- McLafferty, S. and Chakrabarti, R.* (2009) Locating diversity: Race, ethnicity and place in health disparities research, *GeoJournal*, 74:107-113.
- Wang, F., McLafferty, S., Escamilla, V., Luo, L.* (2008) Late-stage breast cancer diagnosis and health care access in Illinois. *Professional Geographer* 60(1):54-69.
- Grady, S. and McLafferty, S. (2007) Segregation, nativity and health: Reproductive health inequalities for immigrant and native-born black women in New York City. *Urban Geography*, 28(4):377-397.
- McLafferty, S. (2006) Women and GIS: Geospatial technologies and feminist geographies. *Cartographica*, 40(4):37-45.

- McLafferty, S. and Grady, S.* (2005) Immigration and geographical access to prenatal clinics in Brooklyn, NY: A geographic information systems analysis, *American Journal of Public Health*, 95(4), 638-640.
- McLafferty, S. and Grady, S.* (2004) Prenatal care need and access: A GIS analysis. *Journal of Medical Systems*, 28(3), 321-333.
- McLafferty, S. (2004) The socialization of GIS, *Cartographica*, 39(2):51-53.
- McLafferty, S. (2003) GIS and health care, *Annual Reviews of Public Health*, 24:25-42.
- McLafferty, S. (2002) Mapping women's worlds: Knowledge, power and the bounds of GIS, *Gender, Place and Culture*, 9(3), 263-269.
- Preston, V. and McLafferty, S. (1999). Spatial mismatch research in the 1990s: Progress and potential, *Papers in Regional Science*, 78, 387-402.
- McLafferty, S. and Cromley, E. (1999). Your first mapping project on your own: From A to Z, *Journal of Public Health Management and Practice*, 5(2), 76-82.
- Childs, J., McLafferty, S., Sadek, R., Miller, G., Khan, A., DuPree, R. Advani, R., Mills, J., Glass, G. (1998), The epidemiology of rodent bite and predicting rat infestation in New York City, *American Journal of Epidemiology*, 148(1), 78-87.
- Timander, L.* and McLafferty, S. (1998), Breast cancer in West Islip, NY: A spatial clustering analysis with covariates, *Social Science and Medicine*, 46(12), 1623-1635.
- Preston, V. McLafferty, S. and X. Liu (1998), Geographical barriers to employment for American-born and immigrant workers, *Urban Studies*, 35(3), 529-545.
- McLafferty, S. and Preston, V. (1997) Gender, race, and the determinants of commuting: New York in the 1990s, *Urban Geography*, 18(3), 192-212.
- McLafferty, S. and Preston, V. (1996). Spatial mismatch and employment in a decade of restructuring, *Professional Geographer*, 48(4), 420-430.
- Clarke, K. McLafferty, S. and Tempalski, B.* (1996) On epidemiology and geographic information systems: A review and discussion of future directions, *Emerging Infectious Diseases*, 2(2), 85-92.
- McLafferty, S. and Tempalski, B.* (1995). Restructuring and women's health: Implications for low birthweight in New York City, *Geoforum*, 26(3), 309-323.
- McLafferty, S. (1995). Counting for women, *Professional Geographer*, 47(4), 436-441.
- Preston, V. and McLafferty, S. (1993). Gender differences in commuting at suburban and central locations, *Canadian Journal of Regional Science*, 16(2), 1-23.
- Preston, V. and McLafferty, S. (1993). Income disparities and employment and occupational changes in New York, *Regional Studies*, 27(3), 223-235.

- Preston, V., McLafferty, S. and Hamilton, E. (1993). Impact of family status on black, white and Hispanic women's commuting, *Urban Geography*, 14(3), 228-250.
- McLafferty, S. (1992). Health and the urban environment, *Urban Geography*, 13(6), 567-576
- McLafferty, S. and Preston, V. (1992), Spatial mismatch and labor market segmentation for African-American and Latina women, *Economic Geography*, 68(4), 406-431.
- Osleeb, J. and McLafferty, S. (1992). A weighted maximal covering model to aid in Dracunculiasis eradication, *Papers in Regional Science*, 71(3), 243-257.
- McLafferty, S. and Preston, V. (1991). Gender, race and commuting among service sector workers, *Professional Geographer*, 43(1), 1-15.
- McLafferty, S. and Broe, D.* (1990). Patient outcomes and the regional planning of coronary care services: A location-allocation approach, *Social Science and Medicine*, 30(3), 297-304.
- McLafferty, S. (1990). Health in the inner city, *Urban Geography*, 11(3), 298-307.
- McLafferty, S. (1988). Predicting the effect of hospital closure on hospital utilization patterns, *Social Science and Medicine*, 27(3), 255-262.
- McLafferty, S. (1986). The geographical restructuring of urban hospitals: Spatial dimensions of corporate strategy, *Social Science and Medicine*, 23(10), 1079-1086.
- McLafferty, S. and Ghosh, A. (1986). Multipurpose shopping and the location of retail firms, *Geographical Analysis*, 18(3), 215-226.
- Ghosh, A. and McLafferty, S. (1984). A model of consumer propensity for multipurpose shopping, *Geographical Analysis*, 16(3), 244-249.
- Craig, S., Ghosh, A. and McLafferty, S. (1984). Models of the retail location process: A review, *Journal of Retailing*, 60(1), 5-36.
- Ghosh, A. and McLafferty, S. (1984). A simulation model of spatial competition with multipurpose trips, *Modeling and Simulation*, 15.
- McLafferty, S. (1984). Constraints on distributional equity in the location of public services, *Political Geography Quarterly*, 3(1), 33-47.
- Ghosh, A. and McLafferty, S. (1982). Locating stores in uncertain environments: A scenario planning approach, *Journal of Retailing* 58(4), 5-22.
- McLafferty, S. and A. Ghosh (1982). Issues in measuring differential access to public services, *Urban Studies*, 18(4), 383-389.
- McLafferty, S. (1982). Neighborhood characteristics and hospital closures: A comparison of the public, private and voluntary hospital systems, *Social Science and Medicine*, 16, 1667-1674.

McLafferty, S. (1982). Urban structure and geographical access to public services, *Annals of the Association of American Geographers*, 72(3), 347-354.

Rushton, G., McLafferty, S. and Ghosh, A. (1981). Equilibrium locations for public services: Individual preferences and social choice, *Geographical Analysis*, 13(3), 196-202.

Book Chapters and Non-refereed Publications

S. McLafferty, A. Guhlincozzi*, F. Winata*. (2021). Counting COVID: Quantitative geographical approaches to COVID-19. In G. Andrews, V. Crooks, J. Pearce and J. Messina, eds. *COVID-19 and Similar Futures: Geographical Perspectives, Issues, and Agendas*. Springer.

S. McLafferty (2019) Rural-urban disparities in breast cancer: Six suppositions and future directions. In D. Berrigan and N. Berger, Eds. *Geospatial Approaches to Energy Balance and Breast Cancer*. Springer.

S. McLafferty and S. Wong* (2018) Spatial modeling's place in health geography research: Trends, critiques, and future directions. In: V. Crooks, G. Andrews, J. Pearce, Eds. *Routledge Handbook of Health Geography*, London: Routledge, pp. 338-346.

S. McLafferty, A. Murray (2017) Regional perspectives on public health. In: R. Jackson, J. Glaeser, P. Schaeffer, Eds. *Regional Research Frontiers: The Next 50 Years*. New York: Springer.

S. McLafferty, A. Ghosh, J. Fishman* (2016) Do international medical graduates improve spatial access to physicians? Rushton's locational analysis framework in practice. In A. Phipps, Ed. *Research Advances in Behavioral, Economic and Health Geography*, University of Windsor.

Harrington, D., McLafferty, S., Elliott, S. (2016) Introduction. In Harrington, D., McLafferty, S., Elliott, S., Eds. *Population Health Intervention Research: Geographical Perspectives*. Ashgate Publishing.

S. McLafferty (2016) Questionnaire survey research. In N. Clifford, M. Cope, T. Gillespie and G. Valentine, eds. *Key Methods in Geography, 3rd Edition*. Sage Publications.

S. McLafferty (2016) Spatial context. In *The Wiley-AAG International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. D. Richardson, Editor-in Chief. New York: Wiley-Blackwell.

S. McLafferty (2014). Spatial mismatch. *International Encyclopedia of Social and Behavioral Sciences*. Elsevier.

S. McLafferty (2013) Geographies of ethnicity and health. In *The Wiley-Blackwell Encyclopedia of Health, Illness, Behavior, and Society*. eds. W. Cockerham, R. Dingwall, and S. Quah, Wiley-Blackwell.

J. Maantay and S. McLafferty (2011). Environmental health and geospatial analysis: An overview. In *Geospatial Analysis and Environmental Health*, eds. J. Maantay & S. McLafferty, pp. 3-34, New York: Springer.

T. Brown, S. McLafferty and G. Moon (2010). Introduction to health and medical geography. In T. Brown, S. McLafferty & G. Moon, eds. *A Companion to Health and Medical Geography*, pp. 1-11, Malden, MA: Wiley-Blackwell.

- S. McLafferty (2010) Geography of health and health care. In *Encyclopedia of Geography*, B. Warf, ed. Sage Publications.
- L. Mu, F. Wang, and S. McLafferty (2010). Analyzing spatial patterns of late-stage breast cancer in Chicago region: A modified scale-space clustering approach. In *Geospatial Analysis and Modeling of Urban Structure and Dynamics*, B. Jiang and X. Yao. eds. Dordrecht, the Netherlands: Springer Science+Business Media B.V.
- S. McLafferty (2009) Placing substance use: Geographical perspectives on substance use and addiction. In D. Richardson, Y. Thomas and I. Cheung, eds. *Geography and Drug Addiction*. Springer
- S. McLafferty (2005) Geographic information and women's empowerment: A breast cancer example. In L. Nelson and J. Seager, eds. *A Companion to Feminist Geography*, Oxford: Blackwell.
- S. McLafferty and V. Preston (2004) Poverty and geographical access to employment: Minority women in America's inner cities, In D. Janelle, K. Hansen and B. Warf, eds. *LandMinds: 100 Geographic Solutions to Saving Planet Earth*.
- D. Williamson*, S. McLafferty, P. McGuire, T. Ross, J. Mollenkopf, V. Goldsmith and S. Quinn (2001) Tools in the spatial analysis of crime. In A. Hirschfield and K. Bowers, eds, *Mapping and Analysing Crime Data: Lessons from Research and Practice*, London: Taylor& Francis, 187-202.
- I. Dyck, N. Lewis and S. McLafferty (2001) Why geographies of women's health? In I. Dyck, N. Lewis and S. McLafferty, eds, *Geographies of Women's Health*, London: Routledge, 1-20.
- S. McLafferty, D. Williamson* and P. McGuire (2000) Identifying high-crime areas using kernel estimation, In V. Goldsmith, P. McGuire, J. Mollenkopf and T. Ross, eds, *Identifying Crime Patterns: Frontiers of Practice*, Thousand Oaks, CA: Sage Publications, pp. 77-86.
- D. Williamson*, T. Ross, S. McLafferty and V. Goldsmith (2000) Evaluating statistical software for analyzing crime patterns and tools, In V. Goldsmith, P. McGuire, J. Mollenkopf and T. Ross, eds, *Identifying Crime Patterns: Frontiers of Practice*, Thousand Oaks, CA: Sage Publications, pp. 169-178.
- D. Williamson*, S. McLafferty, V. Goldsmith, J. Mollenkopf and P. McGuire (1999) A better method to smooth crime incident data, *ArcUser*, 2(1), 24-27.
- B. Tempalski* and S. McLafferty, Low birthweight in New York City: Using a GIS to predict communities at risk, *GeoInfo Systems*, June, 1997.
- S. McLafferty and V. Preston, Transportation and minority women's employment: Insights from New York, *Proceedings of the Second National Conference on Women's Travel Issues*, Baltimore, 1996, edited by Sandra Rosenbloom.
- A. Ghosh, S. McLafferty and S. Craig, Location-allocation models for designing multifacility retail networks, In Z. Drezner, ed. *Facility Location: A Survey of Applications and Methods*, Springer Verlag, 1995, 301-330.

I. Johnston-Anumonwo, S. McLafferty and V. Preston, Gender, race and the spatial context of women's employment, In J. Garber and R. Turner, eds. *Gender in Urban Research*, Newbury Park, CA: Sage, 1994.

V. Preston and S. McLafferty, Gender and employment in service industries: A comparison of two cities, In F. Frisken, ed. *The Changing Canadian Metropolis*, Toronto: The Canadian Urban Institute, 1994.

S. McLafferty and A. Ghosh, Environmental change, competitive strength and market structure: The case of hospital services in New York City, In A. Ghosh and C. Ingene, Eds., *Spatial Analysis in Marketing: Theory, Methods and Applications*. Greenwich, CT: JAI Press, 1991.

S. McLafferty, The politics of privatization: State and local politics and the restructuring of hospitals in New York, In J. Scarpaci, ed. *Health Services Privatization In Industrialized Societies*, New Brunswick: Rutgers University Press, 1989.

S. McLafferty and A. Ghosh, Optimal location and allocation with multipurpose trips, In A. Ghosh and G. Rushton, eds., *Spatial Analysis and Location-Allocation Modelling*, New York: van Nostrand Press, 1987, 55-75.

A. Ghosh and S. McLafferty, Shopping behavior and optimal store locations in multipurpose trip environments, In L. Pellegrini and S. Reddy, eds., *Marketing Channels: Relationships and Performance*, Lexington: Lexington Books, 1986.

G. Rushton and S. McLafferty, Locational analysis for child welfare, In J. Craft and W. Theissen, eds., *Planning for Child Welfare Services*, Springfield: Charles Thomas Publishers, 1980, 128-142.

Book Reviews (have appeared in)

American Journal of Human Biology
Annals of the Association of American Geographers
Annals of Regional Science
Canadian Geographer
Economic Geography
Geographical Review
Health and Place
Journal of Physical Anthropology
Professional Geographer
Progress in Human Geography
Social Science and Medicine

GRANTS (since 2000):

Robert Wood Johnson Foundation. Research Fellows grant for Ph.D. student, Arrianna Coleman Planey, 2017-2021. (\$120,000)

University of Illinois, Campus Research Board. The socio-spatial ecology of the bed bug (*Cimex lectularius*) and its control. D. Schneider and S. McLafferty, co-investigators. (\$25,000)

National Science Foundation, EAGER program, "CISSDA: A Unified Cyberinfrastructure Framework for Scalable Spatiotemporal Data Analytics.", S. Wang, Principal Investigator, S. McLafferty, Co-investigator. 2014-2016 (\$300,000)

National Institutes of Health, "Geospatial Frontiers in Health and Social Environments," Principal Investigator, Douglas Richardson; S. McLafferty, Co-Investigator. Awarded to AAG for a set of conferences on GIS and Health. 2012 – 2014 (\$100,000).

American Cancer Society, "The Chicago Prostate and Colorectal Cancer Study", P.I. Vincent Freeman, S. McLafferty, Co-Investigator. 2010- 2014 (UIUC portion, \$134,000)

Research in Community Informatics, University of Illinois. "Participatory GIS in the Upper Sangamon Watershed: Geovisualization, Collective Decision-making and Environmental Governance" (with M. Cope and B. Rhoads). 2009-2010 \$15,550

National Institutes of Health, "Late-Stage Cancer Clusters and Health Care Access" with F. Wang (Northern Illinois University), 2005-2007. (UIUC portion, \$113,768)

Department of Housing and Urban Development, "The Impact of CCTV on Crime in Public Housing: An Application of GIS and Spatial Statistics" with J. Mollenkopf and V. Goldsmith, 2000-2001 (\$127,000)

PROFESSIONAL SERVICE

Appointments and Committees:

Nystrom Awards committee, American Association of Geographers, 2020.

Strategic Planning Committee, Association of American Geographers, 2013-15

National Academy of Sciences, Committee on Geography, 2002 - 2003

National Academy of Sciences, Committee on the Status of Geographic Research at the USGS, 2001

Local arrangements committee, Annual meeting of the AAG, New York, 2001

National Counsellor, Association of American Geographers, 1995 - 1998

National Academy of Sciences, Mapping Sciences Committee, 1994 - 1997

National Science Foundation, Task Force on Infrastructure, Spring, 1993

Society of Woman Geographers, NY Group, Fellowship Chairperson, 1990 – 2001

Medical Geography Specialty Group, Board Member, 1986-1989

Editorial Appointments:

Associate Editor, *Health and Place*, 2009 – present

Editorial Board, *Annals of GIS*, 2014 -- present

Editorial Board, *Spatial and Spatiotemporal Epidemiology*, 2010 - present

Editorial Board, *Annals of the Association of American Geographers*, 2006 - 2014

Editorial Board, *Transactions in GIS*, 2006 - 2011

Editorial Board, *Geographical Analysis*, 2003 - present

Editorial Board, *Health and Place*, 1994 - 2009

Editorial Board, *Economic Geography*, 1996 - 2006.

Editorial Board, *Professional Geographer*, 1991 - 1997.

Manuscript Reviewer for:

Annals of the AAG

Applied Geographic Studies

Applied Spatial Analysis & Policy
British Medical Journal
Cambridge J. Regions, Economy & Society
Canadian Geographer
Canadian J Aging
Cartographica
Computers and GIS
Computers, Environment, Urban Sys
Economic Geography
Emerging Infectious Diseases
Environment and Planning A
Environment and Planning B
Environment and Planning C
Environment and Planning D
European Journal of Operations Research
Feminist Economics
Fennia
Gender, Place and Culture
Geographical Analysis
Growth and Change
Health and Place
Health Services Research
International Journal of GIS
Intl J Health Geographics
Intl J Sustainable Transportation
Journal of Amer. Public Health Assoc.

Journal of Geographical Systems
Journal of Regional Science
Journal of Retailing
Milbank Memorial Fund Quarterly
New Zealand Geographer
Papers in Regional Science
Pediatrics
Population, Space and Place
Proceedings, NAS
Professional Geographer
Progress in Human Geography
Royal Geogr Society Journal
Social and Cultural Geography
Social & Spatiotemporal Epidemiology
Social Science and Medicine
Socioeconomic Planning Sciences
Sociological Quarterly
Southeastern Geographer
Statistics in Medicine
Transactions in GIS
Transactions, Inst. of British Geographers
Urban Affairs
Urban Geography
Urban Studies
Urban Affairs Quarterly

Expert Reviewer:

Alberta Heritage Foundation for Medical Research
British Academy
Canada Research Council
Medical Research Council, United Kingdom
National Institutes of Health
National Science Foundation, Geography and Regional Science Division.
National Science Foundation, Decision Sciences Division.
Netherlands Organization for Scientific Research
Research Grants Council of Hong Kong
Social Sciences and Humanities Research Council of Canada

Review Panels:

National Institutes of Health, Pathways to Prevention, Panel on Rural, Provider-to-Provider Telehealth, 2021
National Science Foundation and NIH, joint grant review panel, Ecology & Evolution of Infectious Diseases, 2019
National Institutes of Health, Member of the Social Sciences & Population Studies B Study Section, 2014- 2018
National Institutes of Health, grant review panels, Social & Economic Sciences section, 2005-2011.
National Institutes of Health, grant review panel, Small Business and Technology section, July 2004, April 2014
National Science Foundation, Dissertation Panel, Geography and Regional Science, 2003-2004

National Institutes of Health, Cancer mapping, grant review panels, 2001-2002
National Science Foundation, Review Panel, Geography, 1991-1993
Society of Woman Geographers, National Fellowship committee, 2003 – 2007, 2012 - 2013
Association of American Geographers, Research Grants committee, 1996 - 1998
Jacques May prize committee, Medical Geography Specialty Group, 1990-92, 1996, 1999
Dissertation prize committee, Geographic Perspectives on Women Specialty Group, 1994
Nystrom Awards Committee, AAG, 1989 and 1990

Promotion and Tenure Reviews:

Arizona State University	University of Auckland
Binghamton University	University of British Columbia
City University of New York – Lehman College	University of California at Los Angeles
City University of New York – Hunter College	University of California at San Diego
Clark University	University of California at Santa Barbara
Columbia University	University of Chicago
Dartmouth University	University of Connecticut
Florida State University	University of Exeter
Georgia State University	University of Iowa
Harvard University	University of Miami
Hong Kong University	University of Memphis
Indiana University-Purdue University at Indianapolis	University of Minnesota
Johns Hopkins University	University of Missouri
Kent State University	University of New Mexico
Louisiana State University	University of North Carolina at Chapel Hill
McGill University	University of North Carolina at Charlotte
McMaster University	University of North Texas
Middlebury College	University of Southampton
National Taiwan University	University of South Florida
Ohio State University	University of Southern California
Penn State University	University of Texas at El Paso
Rutgers University	University of Texas Health Science Center
State University of New York at Cortland	University of Toledo
Temple University	University of Toronto
Trent University	University of Utah
University at Buffalo	University of Vermont
University College, London	University of Washington
University of Alberta	University of Waterloo
University of Arizona	University of Wisconsin
	University of Wisconsin-Milwaukee

Program Reviews: Temple University (2022), University of Toronto-Scarborough (2021), Dartmouth College (2020), University at Buffalo (2019), University of California at Santa Barbara (2016), University of Wisconsin-Milwaukee (2015), University of Toronto at Missisauga (2015), Arizona State University (2011), McMaster University (2009), Indiana University-Purdue University at Indianapolis (2009), University of Arizona (2007), University of Wisconsin at Milwaukee (2004)

Program Consultant: Augustana College (2013)

COLLEGE/UNIVERSITY SERVICE:

University of Illinois:

Member, search committee, Assistant to Dean, College of Liberal Arts & Sciences, 2017
Chair, search committee, Department Head, Department of Urban and Regional Planning, 2017
Member, search committee, Associate Dean positions, College of Liberal Arts & Sciences, 2017
Member, search committee, Director of the School of Architecture, 2016-17
Chair, search committee, Director of ATLAS (Applied Technologies for Learning in the Arts and Sciences), 2015
Chair, review committee, Cline Center for Democracy, College of Liberal Arts & Sciences, 2015
STAR committee, College of Liberal Arts and Sciences, 2014 - 2016
Provost's Council of Unit Executive Officers, 2013 - 2015
Department of Geography & GIS, Director of Undergraduate Studies, 2019-2021
Department of Geography & GIS, Department Head, 2012 - 2017
Department of Geography, Associate Head, 2004 – 2007, 2008-2011
Department of Geography, Director of Graduate Studies, 2004-2007, 2008 - 2011
Department of Geography, advisory committee, 2001- 2005, 2007-2008, 2011, 2017-2021
Department of Geography, faculty mentoring committees, 2001- present
Department of Geography, tenure and promotion committees, chair, 2005, 2008, 2010, 2011
Department of Geography, GIS program, chair, 2002 – 2004
Department of Geography, GIS laboratory committee
Department of Geography, search committees, 2001, 2004, 2006, 2008, 2010
College of LAS, Committee on Admissions and Academic Standards, 2004–2006
College of LAS, Committee on Committees, 2010 - 2011
Graduate College, Career Advisory Committee, 2005 – 2008
University of Illinois at Urbana-Champaign, Committee on Conduct Governance, 2006 -2008

Hunter College:

Chairperson, Department of Geography, Hunter College, 2000-2001
Graduate Advisor, Geography M.A. Program, 1988 - 1991, 1992 - 1996, 1997 - 2000
Hunter College, Presidential Awards committee, 1995 - 1997
Hunter College, Middle States Review committee, Task Force on Graduate Education, 1996 - 1997
Hunter College, Faculty Development Seminar on AIDS, Spring, 1990.
Hunter College, Div. of Mathematics and Sciences, Curriculum Committee
Hunter College Senate, representative from Geography Department, 1990-1995

MEDIA INTERVIEWS

“Rural-Urban Disparities in Late-Stage Cancer in Illinois,” NPR, Chicago, 2010
“Mapping for Public Health” Interview for article in *New Scientist* magazine. October 2014.

PRESENTATIONS, 2010-present

Placing Immigrant Health Disparities: GIS Analysis of Immigrant Women's Health in New York City.
Invited Lecture, University of Denver, January, 2010.
Income Polarization and Health inequalities: New York City in the 1990s. Association of American Geographers, Washington, DC, April 2010.
Placing Immigrant Health Disparities: GIS Analysis of Immigrant Women's Health in New York City.
Invited Lecture, Northern Illinois University, September 2010.

Modeling Geocoding Error in Analyzing Spatial Accessibility to Primary Care Physicians . Association of American Geographers Annual Meeting, Seattle, April 2011.

Micro Political Economies of Health Care in the U.S.: Place, Networks and Vertical Integration. International Symposium in Medical Geography, Durham, UK, July 2011.

Spatial Targeting of Interventions to Improve Immigrant Maternal and Infant Health: Spatial Analysis Solutions and Challenges. Invited presentation, GEOMED conference, Victoria, Canada, October 2011.

Situating Access: Political and Economic Geographies of Service Delivery and Access to Care. Association of American Geographers Annual Meeting, New York, February 2012. (with Alisa Shockley)

Space and Time in the Current Landscape of Geography and Health Research. Invited presentation, AAG-NIH Symposium on Spatiotemporal Analysis for Health Research. Washington DC, April 2012

Geographic Foundations of Public Health Intervention to Improve Maternal and Infant Health: GIS Solutions and Challenges, Centers for Disease Control, GIS Day Keynote Presentation, Atlanta GA, Nov. 2012,

Spatial Analysis, Place-Based Strategies and Maternal and Child Health Inequalities, Invited presentation, Maternal and Child Health Epidemiology conference, San Antonio, Dec. 2012.

Beyond Spatial Targeting: Geographic Foundations of Public Health Policy. Invited presentation, University of North Carolina, Jan 2013.

Beyond Spatial Targeting: Geographic Foundations of Public Health Policy. Association of American Geographers, Annual meeting, Los Angeles, April 2013.

Increasing Centralization of Primary Care Physicians in Metropolitan Chicago: Implications for Inequalities in Spatial Access to Care. International Medical Geography Symposium, East Lansing, MI, July 2013 (with Joe Simanis).

Filling the Gaps? Locational Analysis of Internationally-trained Primary Care Physicians. Association of American Geographers, Annual Meeting, Tampa, April 2014. (with Jamie Fishman and Avijit Ghosh)

Beyond Spatial Targeting: Geographic Foundations for Public Health Policy, Keynote presentation, Symposium on Fostering International Geospatial Health Research Collaborations: Challenges and Opportunities. Hong Kong, June 2014

Healthcare Access, SES, and Late-Stage Cancer Diagnosis: Public Policy Implications. Invited lecture, Iowa Cancer Summit, Des Moines, October, 2014.

Centralization and Spatial Transformation of Primary Health Care Access: Trends in Metropolitan Chicago. Invited lecture, Department of Geography, Northern Illinois University, February, 2015.

Centralization and Spatial Transformation of Primary Health Care Access: Trends in Metropolitan Chicago. Annual Pruitt Lecture, Department of Geography and Anthropology, Louisiana State University, March, 2015.

Geographies of Advantage: Gender, Race, and Access to Work in a Neoliberal Era. Association of American Geographers annual meeting, Chicago, April 2015. (with Valerie Preston and Jamie Fishman)

Spatial and Social Access to Health Care. Invited presentation, University of Illinois College of Medicine, October, 2015.

Political Ecologies of Health Care in the U.S.: The Affordable Care Act and Beyond. Melinda Meade Award lecture, American Association of Geographers, Annual meeting, San Francisco, April 2016.

Placing Health and Health Care Inequalities. Invited presentation, Lindau Lab, University of Chicago, January 2017.

GIS in Public Health Research and Policy: Past, Present and Future. Keynote address, CUNY GIS Summit, March, 2017.

Placing Bed Bug Reports: Spatial and Socioeconomic Uncertainties in Bed Bug “Big Bata”. American Association of Geographers, Annual Meeting, Boston, 2017. (with K. Abelt and D. Schneider)

Rural-Urban Definitions in Health Research. Panel presentation, American Association of Geographers, Annual meeting, Boston, 2017.

Placing Bed Bug Reports: Spatial and socioeconomic uncertainties in bed bug “big data”. International Symposium in Medical Geography, Angers, France, 2017. (with K. Abelt and D. Schneider)

Constructing Geographic Areas for Cancer data analysis. Invited presentation, Social Sciences Club, Urbana, IL, Nov. 2017.

Spaces of Segregation and Health: Complex Associations for Black Immigrant Mothers in New York City. Invited presentation, Brown University, Population Studies & Training Center, March 2018.

Residential Segregation and Health: Complex Associations for Black Immigrant Mothers in New York City. American Association of Geographers, Annual meeting, New Orleans, April 2018.

Spaces of Segregation and Health: Complex Associations for Black Immigrant Mothers in New York City. Invited presentation, York University (Canada), Department of Geography, September 2018

Health Risk and the Rent Gap: Changing Birth Outcomes for Low-income Women in Gentrifying Neighborhoods. American Association of Geographers, Annual meeting, Washington DC, April 2019.

Women's Changing Commutes: The Work Trips of Single Mothers in the New York region, 2000-2010. American Association of Geographers, Annual meeting, Washington DC, April 2019. (with V. Preston and M. Maciejewka)

Health Risk and the Rent Gap: Changing Birth Outcomes for Low-income Women in Gentrifying Neighborhoods. International Medical Geography Symposium, Queenstown, NZ, July 2019.

Placing Health Disparities: Sociospatial Polarization and Women's Health in a Changing City. Invited lecture, Urban Studies, University of Wisconsin-Milwaukee, October 2019.

Place and Quantitative Methods: Intersections and Opportunities for Health Geography Research. Annual Meeting, American Association of Geographers, April 2021.

Spatial Targeting and Beyond: Geographic Foundations for Improving Community Health, UCGIS conference, June 2021.

Placing Geospatial Health Data: Intersections and Opportunities in the “Big Data” Era. Invited presentation, University of Chicago, Nov. 2021.

Women, Transit and Work: Social Sustainability During a Pandemic. American Assoc. of Geographers, Annual meeting, April 2022. (with V. Preston)

Placing Health Data and Methods: Critical Perspectives in the “Big Data” Era. Keynote address, Health & Medical Geography Specialty Group, American Assoc. of Geographers, Annual meeting, April 2022.