

# Justin Stoler

## Curriculum Vitae

Department of Geography and Regional Studies, University of Miami

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### Employment

	<b>University of Miami</b>	<b>Coral Gables, FL</b>
2018-present	Associate Professor, Department of Geography and Regional Studies, College of Arts and Sciences. Associate Professor, Department of Public Health Sciences, Miller School of Medicine (secondary).	
2012-present	Faculty Affiliate, The Leonard and Jayne Abess Center for Ecosystem Science and Policy.	
2019-2020	Faculty Scholar, The Leonard and Jayne Abess Center for Ecosystem Science and Policy.	
2012-2018	Assistant Professor, Department of Geography and Regional Studies, College of Arts and Sciences. Assistant Professor, Department of Public Health Sciences, Miller School of Medicine (secondary).	
	<b>San Diego State University</b>	<b>San Diego, CA</b>
2008-2012	Doctoral Research Assistant, Department of Geography (joint with UC Santa Barbara).	
2005-2008	Graduate Assistant, Department of Geography.	
	<b>Sumitomo Mitsui Banking Corporation</b>	<b>New York, NY</b>
2003-2006	Consultant, Planning Development Americas Division, Information Systems.	
	<b>Deutsche Bank AG</b>	<b>New York, NY</b>
2001-2002	Program Manager, Global MIS Coordination, Central Management.	
2000-2001	Associate, The DB Consulting Group, Global Technology & Services.	
	<b>PricewaterhouseCoopers, LLP</b>	<b>New York, NY</b>
1999-2000	Consultant, Management Consultant Services, Financial Services Practice.	
	<b>The Boston Consulting Group, Inc.</b>	<b>New York, NY</b>
1997-1999	Business Analyst, Human Resources and Career Development.	

### Education

2012	Ph.D. Geography, Joint Doctoral Program, UC Santa Barbara and San Diego State University, CA.
2008	M.P.H. Epidemiology, Graduate School of Public Health, San Diego State University, CA.
2007	M.S. Geography, concentration in Geographic Information Science, San Diego State University, CA.
1997	B.S. Management, B.A. Psychology, Binghamton University, NY.

### Certification

2008-present	Certified in Public Health (C.P.H.), National Board of Public Health Examiners.
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### Publications

Refereed	(* denotes graduate student co-author; ** denotes undergraduate student co-author)
58.	Workman C, Brewis A, Wutich A, Young SL, <b>Stoler J</b> , Kearns J. 2020. Understanding biopsychosocial health outcomes of syndemic water and food insecurity: applications for global health. <i>American Journal of Tropical Medicine and Hygiene</i> , doi:10.4269/ajtmh.20-0513.
57.	Young SL, Miller JD, Frongillo EA, Boateng GO, Jamaluddine Z, Neilands TB and the Household Water Insecurity Experiences Research Coordination Network ( <b>HWISE-RCN</b> ) [ <b>Stoler J</b> ]. 2020. Validity of a four-item Household Water Insecurity Experiences Scale for assessing water issues related to health and well-being. <i>American Journal of Tropical Medicine and Hygiene</i> , doi:10.4269/ajtmh.20-0417.
56.	Kanamori M, Shrader CH,* <b>Stoler J</b> , Aguilar de Santana S, Williams M. 2020. Geographic accessibility of HIV preventive services for young Latino men in Miami, Florida: A cross-sectional study. <i>Journal of the Association of Nurses in AIDS Care</i> , doi:10.1097/JNC.0000000000000210.
55.	Venkataramanan V, Geere J-A, Thomae B, <b>Stoler J</b> , Hunter PR, Young SL, and the Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN). 2020. In pursuit of 'safe' water: the burden of personal injury from water fetching in 21 low-income and middle-income countries. <i>BMJ Global Health</i> , 5(10): e003328.

54. Urrechaga EM, **Stoler J**, Quinn K, Cioci AC, Nunez V, Rodriguez Y, Quiroz HJ, Sussman MS, Perez EA, Ford HR, Sola JE, Thorson CM. 2020. Geo-demographic analysis of pediatric firearm injuries in Miami, FL. *Journal of Pediatric Surgery*, doi:10.1016/j.jpedsurg.2020.09.032
53. Rosinger AY, Brewis A, Wutich A, Jepson WE, Staddon C, **Stoler J**, Young SL, and the Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN). 2020. Water borrowing is consistently practiced and associated with water system failures across diverse environments globally. *Global Environmental Change*, 64: 102148.
52. Rothman AL, **Stoler J**, Vu DM, Chang TC. 2020. A geo-demographic service coverage analysis of travel time to glaucoma specialists in Florida. *Journal of Glaucoma*, doi:10.1097/IJG.0000000000001648.
51. **Stoler J**, Jepson WE, Wutich A. 2020. Beyond handwashing: water insecurity undermines COVID-19 response in developing areas. *Journal of Global Health*, 10(1): 010355.
50. **Stoler J**, Ter-Ghazaryan D, Sheskin I, Pearson AL, Schnakenberg G, Cagalan D, Swanson K, Jankowski P. 2020. What's in a name? Undergraduate student perceptions of geography, environment, and sustainability key words and program names. *Annals of the American Association of Geographers*. doi:10.1080/24694452.2020.1766412.
49. Smiley S, **Stoler J**. 2020. Socio-environmental confounders of safe water interventions. *WIREs Water*, 7(3): e1438.
48. **Stoler J**, Pearson AL, Staddon C, Wutich A, Mack EA, Brewis A, Rosinger AY and the Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN). 2020. Cash water expenditures are associated with household water insecurity, food insecurity, and perceived stress in study sites across 20 low- and middle-income countries. *Science of the Total Environment*, 716: 135881.
47. Adams EA, **Stoler J**, Adams Y. 2020. Water insecurity and urban poverty in the global south: implications for health and human biology. *American Journal of Human Biology*, 32: e23368.
46. Schuster RC, Butler MS, Wutich A, Miller JD, Young SL, and the Household Water Insecurity Experiences Research Coordination Network (**HWISE-RCN**) [**Stoler J**]. 2020. "If there is no water, we cannot feed our children": the far-reaching consequences of water insecurity on infant feeding practices and infant health across 16 low- and middle-income countries. *American Journal of Human Biology*, 32: e23357.
45. Wutich A, Rosinger A, **Stoler J**, Jepson W, Brewis A. 2020. Measuring human water needs. *American Journal of Human Biology*, 32: e23350.
44. Brewis A, Workman C, Wutich A, Jepson W, Young SL, and the Household Water Insecurity Experiences Research Coordination Network (**HWISE-RCN**) [**Stoler J**]. 2020. Household water insecurity is strongly associated with food insecurity: evidence from 27 sites in low- and middle-income countries. *American Journal of Human Biology*, 32: e23309.
43. Young SL, Boateng GO, Jamaluddine Z, Miller JD, Frongillo EA, Neilands TB, Collins SM, Wutich A, Jepson WE, **Stoler J**, and the Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN). 2019. The Household Water InSecurity Experiences (HWISE) Scale: development and validation of a household water insecurity measure for low- and middle-income countries. *BMJ Global Health*, 4(5): e001750.
42. Chang TC, **Stoler J**. 2019. Reply: Envirotyping in medical schools: a movement toward digital health literacy. *American Journal of Ophthalmology*, 207: 428.
41. Chang TC, **Stoler J**. 2019. Envirotyping: the next leap forward in the practice of precision medicine? *American Journal of Ophthalmology*, 202: xi-xiii.
40. Adams EA, Price H, **Stoler J**. 2019. Urban slums, drinking water, and health: Trends and lessons from sub-Saharan Africa. In I Vojnovic, A Pearson, A Gershim, A Allen, G Deverteuill, Eds. *Routledge Handbook of Global Urban Health*, Routledge, NY, 533-552.
39. Brewis A, Rosinger A, Wutich A, Adams E, Cronk L, Pearson A, Workman C, Young S, and the Household Water Insecurity Experiences-Research Coordination Network (**HWISE-RCN**) [**Stoler J**]. 2019. Water sharing, reciprocity, and need: a comparative study of inter-household water transfers in sub-Saharan Africa. *Economic Anthropology*, 6(2): 208-221.
38. Young SL, Collins SM, Boateng GO, Neilands TB, Jamaluddine Z, Miller JD, Brewis A, Frongillo EA, Jepson WE, Melgar-Quiñonez H, Schuster RC, **Stoler J**, Wutich A, and the Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN). 2019. Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: The Household Water InSecurity Experiences (HWISE) Scale. *BMJ Open*, 9(1): e023558.
37. **Stoler J**, Brewis A, Harris LM, Wutich A, Pearson AL, Rosinger AY, Schuster RC, Young SL. 2019. Household water sharing: a missing link in international health. *International Health*, 11(3): 163-165.

36. Williams JR, Petersen N, **Stoler J**. 2018. Characterizing the spatial mismatch between intimate partner violence related healthcare services and arrests in Miami-Dade County, Florida. *BMC Public Health*, 18: 1085.
35. Wutich A, Budds J, Jepson W, Harris L, Adams E, Brewis A, Cronk L, DeMyers C, Maes K, Marley T, Miller J, Pearson A, Rosinger A, Schuster R, **Stoler J**, Staddon C, Wiessner P, Workman C, Young S. 2018. Household water sharing: a review of water gifts, exchanges, and transfers across cultures. *WIREs Water*, 5(6): e1309.
34. Amoako N,\* Duodu S, Dennis FE, Bonney JKH, Asante KP, Ameh J, Mosi L, Hayashi T, Agbosu EE, Pratt D, Operario DJ, Fields B, Liu J, Houpt ER, Armah GE, **Stoler J**, Awandare GA. 2018. Detection of dengue virus among children with suspected malaria, Accra, Ghana. *Emerging Infectious Diseases*, 24(8): 1544-1547.
33. Guzmán D, **Stoler J**. 2018. An evolving choice in a diverse water market: a quality comparison of sachet water with community and household water sources in Ghana. *American Journal of Tropical Medicine and Hygiene*, 99(2): 526-533.
32. Ross K,\*\* **Stoler J**, Carcioppolo N. 2018. The relationship between low perceived numeracy and cancer knowledge, beliefs, and affect. *PLOS One*, 13(6): e0198992.
31. Bloss CS, **Stoler J**, Schairer CE, Rosenthal SB, Cheung C, Rus HM, Block JL, Yang J-A, Morton D, Bixenman H, Wellis D. 2018. Characteristics of likely Precision Medicine Initiative participants drawn from a large blood donor population. *Health Affairs*, 37(5): 786-792.
30. Wutich AY, Budds J, Eichelberger L, Geere J, Harris L, Horney J, Jepson W, Norman E, O'Reilly K, Pearson A, Shah SH, Shinn JE, Simpson K, Staddon C, **Stoler J**, Teodoro M, Young S. 2017. Advancing methods for research on household water insecurity: studying entitlements and capabilities, socio-cultural dynamics, and political processes, institutions and governance. *Water Security*, 2: 1-10.
29. Bloss CS, **Stoler J**, Brouwer K, Bietz M, Cheung C. 2017. Public response to a proposed field trial of genetically engineered mosquitoes in the United States. *JAMA*, 318(7): 662-664.
28. Jepson W, Budds J, Eichelberger L, Harris L, Norman E, O'Reilly K, Pearson A, Shah SH, Shinn JE, Staddon C, **Stoler J**, Wutich A, Young S. 2017. Advancing human capabilities for water security: a relational approach. *Water Security*, 1: 46-52.
27. **Stoler J**, Verity J,\*\* Williams JR. 2017. Geodemographic disparities in availability of comprehensive intimate partner violence screening services in Miami-Dade County, Florida. *Journal of Interpersonal Violence*, doi:10.1177/0886260517698283.
26. Zebib L,\*\* **Stoler J**, Zakrisson TL. 2017. Geo-demographics of gunshot wound injuries in Miami-Dade County, 2002-2012. *BMC Public Health*, 17: 174.
25. **Stoler J**. 2017. From curiosity to commodity: A review of the evolution of sachet drinking water in West Africa. *WIREs Water*, 4(3): e1206.
24. Daum K,\*\* **Stoler J**, Grant RJ. 2017. Toward a more sustainable trajectory for e-waste policy: a review of a decade of e-waste research in Accra, Ghana. *International Journal of Environmental Research and Public Health*, 14: 135.
23. Hames E†, **Stoler J**†, Emrich CT, Tewary S, Pandya N. 2016. A GIS approach to identifying socially and medically vulnerable older adult populations in South Florida. *The Gerontologist*, 57(6): 1133-1141. († equal contributions) [Editor's Choice](#) distinction.
22. **Stoler J**, Awandare GA. 2016. Febrile illness diagnostics and the malaria-industrial complex: a socio-environmental perspective. *BMC Infectious Diseases*, 16: 683.
21. Prasad S, **Stoler J**. 2016. Mobile home residents and hurricane vulnerability in South Florida: research gaps and challenges. *International Journal of Disaster Risk Science*, 7(4): 436-439.
20. Tutu RA, **Stoler J**. 2016. Urban but off the grid: the struggle for drinking water in two urban slums in Greater Accra, Ghana. *African Geographical Review*, 35(3): 212-226.
19. Alimi TO,\* Fuller DO, Herrera SV, Arevalo-Herrera M, Quinones ML, **Stoler J**, Beier JC. 2016. A multi-criteria decision analysis approach to assessing malaria risk in northern South America. *BMC Public Health*, 16: 221.
18. **Stoler J**, San Roman A.\*\* 2016. Where is precedent set? An exploratory geovisualization of State Supreme Court cases. *Journal of Maps*, 12(2): 334-343.
17. Jankowska MM, **Stoler J**, Ofiesh C, Rain D, Weeks JR. 2015. Agency, access, and *Anopheles*: neighborhood health perceptions and the implications for community health interventions in Accra, Ghana. *Global Health Action*, 8: 26492.
16. **Stoler J**, Ahmed H, Asantewa Frimpong L, Bello M. 2015. Presence of *Pseudomonas aeruginosa* in coliform-free sachet drinking water in Ghana. *Food Control*, 55: 242-247.

15. **Stoler J**, Tutu RA, Winslow K.\*\* 2015. Piped water flows but sachet consumption grows: the paradoxical drinking water landscape of an urban slum in Ashaiman, Ghana. *Habitat International*, 47: 52-60.
14. **Stoler J**, Delimini RK,\* Bonney JHK, Oduro AR, Owusu-Agyei S, Fobil JN, Awandare GA. 2015. Evidence of recent dengue exposure among malaria parasite-positive children in three urban centers in Ghana. *American Journal of Tropical Medicine and Hygiene*, 92(3): 497-500.
13. **Stoler J**, al Dashti R,\* Anto F, Fobil JN, Awandare GA. 2014. Deconstructing “malaria”: West Africa as the next front for dengue fever surveillance and control. *Acta Tropica*, 134: 58-65.
12. **Stoler J**, Tutu RA, Ahmed H, Asantewa Frimpong L, Bello M. 2014. Sachet water quality and brand reputation in two low-income urban communities in Greater Accra. *American Journal of Tropical Medicine and Hygiene*, 90(2): 272-278.
11. **Stoler J**. 2014. Sachet water quality in Ghana: the jury remains out. *Food Control*, 37: 417-418.
10. **Stoler J**, Weeks JR, Appiah Otoo R. 2013. Drinking water in transition: a multilevel cross-sectional analysis of sachet water consumption in Accra. *PLoS ONE*, 8(6): e67257.
9. **Stoler J**. 2012. Improved but unsustainable: accounting for sachet water in post-2015 goals for global safe water. *Tropical Medicine & International Health*, 17(12): 1506-1508.
8. **Stoler J**, Weeks JR, Fink G. 2012. Sachet drinking water in Ghana’s Accra-Tema metropolitan area: past, present, and future. *Journal of Water, Sanitation and Hygiene for Development*, 2(4): 223-240.
7. Weeks JR, Getis A, Stow D, Hill AG, Rain D, Engstrom R, **Stoler J**, Lippitt C, Jankowska M, Lopez AC, Coulter L, Ofiesh C. 2012. Connecting the dots between health, poverty and place in Accra, Ghana. *Annals of the Association of American Geographers*, 102(5): 932-941.
6. **Stoler J**, Fink G, Weeks JR, Appiah Otoo R, Ampofo JA, Hill AG. 2012. When urban taps run dry: sachet water consumption and health effects in low income neighborhoods of Accra, Ghana. *Health & Place*, 18(2): 250-262.
5. **Stoler J**, Daniels D, Weeks JR, Stow D, Coulter L, Finch BK. 2012. Assessing the utility of satellite imagery with differing spatial resolutions for deriving proxy measures of slum presence in Accra, Ghana. *GIScience & Remote Sensing*, 49(1): 31-52.
4. Scarlett HP, Nisbett RA, **Stoler J**, Bain BC, Bhatta M, Castle T, Harbertson J, Brodine SK, Vermund SH. 2011. South-to-north, cross-disciplinary training in global health practice: ten years of lessons learned from an infectious disease field course in Jamaica. *American Journal of Tropical Medicine and Hygiene*, 85(3): 397-404.
3. **Stoler J**, Brodine SK, Bromfield S, Weeks JR, Scarlett HP. 2011. Exploring the relationships between dengue fever knowledge and *Aedes aegypti* breeding in St. Catherine Parish, Jamaica: a pilot of enhanced low-cost surveillance. *Research and Reports in Tropical Medicine*, 2: 93-103.
2. Weeks JR, **Stoler J**, Jankowski PJ. 2011. Who’s crossing the border: new data on undocumented immigrants to the United States. *Population, Space and Place*, 17(1): 1-26.
1. **Stoler J**, Weeks JR, Getis A, Hill AG. 2009. Distance threshold for the effect of urban agriculture on elevated self-reported malaria prevalence in Accra, Ghana. *American Journal of Tropical Medicine and Hygiene*, 80(4): 547-554.

Non-Refereed

7. **Stoler J**, Ewing C, Appiah Otoo R, Tran L, Adu NTB, Nyoagbe M, Nunoo DNO. 2015. Tapping customers: a spatially explicit, open-source platform for crowdsourcing water service data in Ghana. Proceedings of the 38th WEDC International Conference: Water, Sanitation and Hygiene Services Beyond 2015: Improving access and sustainability. Loughborough, UK, 27-31 July.
6. **Stoler J**. 2013. The sachet water phenomenon in Accra: Socioeconomic, environmental, and public health implications for water security. In JR Weeks, AG Hill, **J Stoler** (Eds), *Spatial inequalities: health, poverty, and place in Accra, Ghana* (pp. 181-190). Dordrecht: Springer.
5. Weeks JR, **Stoler J**, Hill AG, Zvoleff A. 2013. Fertility in context: exploring egocentric neighborhoods in Accra. In JR Weeks, AG Hill, **J Stoler** (Eds), *Spatial inequalities: health, poverty, and place in Accra, Ghana* (pp. 159-177). Dordrecht: Springer.
4. Zvoleff A, An L, **Stoler J**, Weeks JR. 2013. What if neighbors' neighborhoods differ? The influence of neighborhood definitions of health outcomes in Accra. In JR Weeks, AG Hill, **J Stoler** (Eds), *Spatial inequalities: health, poverty, and place in Accra, Ghana* (pp. 125-142). Dordrecht: Springer.
3. Weeks JR, Hill AG, **Stoler J**. 2013. Introduction to the Accra School: an overview of health, poverty, and place in Accra. In JR Weeks, AG Hill, **J Stoler** (Eds), *Spatial inequalities: health, poverty, and place in Accra, Ghana* (pp. 3-23). Dordrecht: Springer.

2. Weeks JR, Hill AG, **Stoler J**, Eds. 2013. *Spatial inequalities: health, poverty, and place in Accra, Ghana*. Dordrecht: Springer, 219 p.
1. **Stoler J**. 2011. A micro-history of geographic perspectives in public health research from the human-environment tradition. *Proceedings of URISA GIS in Public Health Conference*, 2011 June 27-30, Atlanta, GA. Chicago, IL: URISA Press.

#### Popular Media

10. Uscinski JE, Klofstad C, **Stoler J**. 2020, August 3. Who supports QAnon? Here's what our poll finds. [Analysis, Monkey Cage]. *Washington Post*.
9. Klofstad C, Uscinski JE, **Stoler J**. 2020, July 12. Do Floridians want social distancing fines? Will they take a vaccine? [Opinion]. *Tampa Bay Times*, p. 3.
8. **Stoler J**, Klofstad C, Uscinski JE. 2020, July 8. Will Black Americans fear a vaccine more than COVID-19? [Opinion]. *Newsweek*.
7. Uscinski JE, **Stoler J**, Klofstad C. 2020, July 8. Bill Gates created COVID-19, and other conspiracy theories Floridians believe [Op-Ed]. *Miami Herald*, p. 11A.
6. **Stoler J**, Klofstad C, Uscinski JE. 2020, July 4. Floridians may take it slow as state reopens [Guest Commentary]. *Orlando Sentinel*.
5. Aklepi G, **Stoler J**. 2018, July 20. By investing in prevention, obesity does not have to be Miami's destiny [Op-Ed]. *Miami Herald*, p. 11A.
4. **Stoler J**. 2018, March 8. I'm lucky. My smartwatch helped save my life [Op-Ed]. *Miami Herald*, p. 15A.
3. **Stoler J**, Zakrison T. 2017, June 6. Violence, poverty and politics inextricably linked [Op-Ed]. *Miami Herald*, p. 13A.
2. **Stoler J**. 2016, February 24. Zika is about more than a mosquito [Op-Ed]. *Miami Herald*, p. 17A.
1. **Stoler J**. 2008, June 5. A historic night, an American dream [Letter to the editor]. *The New York Times*, p. A28.

#### Extramural Funding

**(Total to date: \$674,707)**

- 2018-2023 Co-PI, *RCN: Building a Community of Practice for Household Water Insecurity (HWISE) Research*, NSF Geography and Spatial Sciences Program (PI: Wendy Jepson, Texas A&M), BCS-1759972. Total award budget: \$499,707, 5 yrs: Jul 2018 – Jun 2023 (UM subcontract \$65,000).
- 2019-2020 Co-I, *FINISHING HIV (Florida South Hispanic Network Fighting HIV): A Social Network-Based Outreach Program to Encourage Utilization of HIV Protection, Diagnosis and Treatment Services, Customized for Latinos Self-Identified as Gay, Straight or Bisexual*, NIMH supplement (PI: Mariano Kanamori, UM). Budget \$100,000, 1 yr: Oct 2019 – Sep 2020.
- 2018-2019 Co-I, *Understanding Hurricane Response Resilience Across Mental and Physical Health: Consideration of Individual-level and Community-level Factors*, HuRRI Seed Grant, Hurricane Resilience Research Institute (Co-PIs: Kiara Timpano [UM] and Mike Zvolensky [U of Houston]). Budget: \$75,000, 1 yr: Oct 2018 – Sep 2019.

#### Intramural Funding

**(Total to date: \$432,793)**

- 2020 Co-PI, *The Causes and Consequences of COVID-19 Misinformation*. Co-funded by the UM College of Arts & Sciences (\$10K) and UM COVID-19 Rapid Response Grant (\$10K) number UM 2020-2241 (PI: Joseph Uscinski). Budget: \$20,000, May – Aug 2020.
- 2019-2020 PI, Connecting the dots between climate change, water insecurity, and migration: How do water insecurity experiences shape migration propensity in Puebla, Mexico? Universidad de las Américas Puebla and University of Miami Collaborative Program (PI: Justin Stoler and Alison Lee). Budget: \$10,000, 1 year: Dec 2019 – Dec 2020.
- 2019 SEEDS 'You Choose' Leadership Award, University of Miami, *It Takes PRACTICE: Peer Research Advancement and Commitment To Interdisciplinary Career Enrichment*, \$2,400.
- 2019 Provost Research Award, *A Prospective Comparison of Household Water InSecurity Experiences (HWISE) in Ghana and Colombia*, University of Miami, \$16,725.
- 2018 Provost Research Award, *Household Water Insecurity Monitoring and Evaluation: A Natural Experiment in Ghana*, University of Miami, \$6,500.
- 2017 SEEDS 'You Choose' Leadership Award, University of Miami, *Peer Mentoring for Pre-Tenure Faculty*, \$1,000.
- 2017 Co-PI, *The Impact of Hurricane Irma on Mental and Physical Health: Consideration of Evacuation Behaviors and Geo-Demographic Factors*, UM College of Arts & Sciences Hurricane Irma Rapid Response Grant (PI: Kiara Timpano). Budget: \$19,500.

- 2017 PI, *Does Hurricane Complacency Shift After Two Near-Misses? A Qualitative Analysis of Hazard Vulnerability among South Florida Mobile Home Residents*, UM College of Arts & Sciences Hurricane Irma Rapid Response Grant. Budget: \$2,600.
- 2017 Co-PI, *Toward a Florida Cancer Portal: Putting Local Cancer Data and Community Interventions on the Map in South Florida*, Sylvester Comprehensive Cancer Center, Miller School of Medicine. Team: Clay Ewing, Justin Stoler. Phase IV: Jan 1 – Dec 31, 2017. Budget: \$109,500.
- 2017 Provost Research Award, *A New Paradigm for Household Water Insecurity Measurement and Evaluation: The Ghana Case*, University of Miami, \$17,000.
- 2016 PI, *Toward a Geographic Clearinghouse of Intimate Partner Violence Services and Community Determinants in Miami-Dade County*, U-MIA Interdisciplinary Working Group seed grant (Co-Is: Jessica Williams, Donna Coker, and Nick Petersen). Budget: \$7,500.
- 2016 Co-PI, *Toward a Florida Cancer Portal: Putting Local Cancer Data and Community Interventions on the Map in South Florida*, Sylvester Comprehensive Cancer Center, Miller School of Medicine. Team: Clay Ewing, Justin Stoler. Phase III: Jun 1 – Dec 31. Budget: \$75,000.
- 2016 Provost Research Award, *Etiology and Improved Differential Diagnosis of Acute Undifferentiated Febrile Illness in Ghana*, University of Miami, \$16,935.
- 2015 SEEDS ‘You Choose’ Leadership Award, University of Miami, *A Speaker Series in Social Science and Medicine*, \$2,500.
- 2015 Co-PI, *Toward a Florida Cancer Portal: Putting Local Cancer Data and Community Interventions on the Map in South Florida*, Sylvester Comprehensive Cancer Center, Miller School of Medicine. Team: Clay Ewing, Justin Stoler. Phase II: Sep 1 – May 31. Budget: \$14,500.
- 2015 Co-PI, *Toward a Florida Cancer Portal: Putting Local Cancer Data and Community Interventions on the Map in South Florida*, Sylvester Comprehensive Cancer Center, Miller School of Medicine. Team: Clay Ewing, Justin Stoler. Phase I: May 1 – Aug 31. Budget: \$58,133.
- 2015 Co-PI, *Diagnosing dengue: The utility of oral fluid specimens*, Division of Health Services Research & Policy, Miller School of Medicine. Team: Justin Stoler, Aileen Chang, Olveen Carrasquillo, Deborah Roque. Budget: \$7,000 (plus a \$5,000 supplement for doctoral student Deborah Roque from the Graduate School).
- 2014 Co-PI, *Socio-Medical Vulnerability of Older Adults in South Florida*, Health Professions Division Educational Research Grant at Nova Southeastern University, \$5,000.
- 2014 Provost Research Award, *When “Malaria” is not Malaria: The Emergence of Dengue Fever in Ghana*, University of Miami, \$17,000.
- 2013 Co-PI, *Safe Water for Africa: Improving Water Equality through SMS and Crowdsourcing*, The Knight Center for International Media, School of Communication (with Clay Ewing, Department of Cinema & Interactive Media), University of Miami, \$5,000.
- 2013 Provost Research Award, *“Urban” but Off the Grid: Water Insecurity in Accra’s Peri-Urban Fringe*, University of Miami, \$17,000.
- 2012 SEEDS ‘You Choose’ Leadership Award, University of Miami, *Unlocking Doors to Data Visualization and the Geoweb*, \$2,000.

### Invited Lectures

- 2020 Guest Lecture [Online], Department of Geography, University of Vermont, Burlington, VT. *What’s in a name? Leveraging undergraduate student perceptions of Geography, Environment, and Sustainability for recruitment and retention.*
- 2019 Colloquium Speaker, Department of Geography, San Diego State University, San Diego, CA: *A household-level view of water scarcity: Highlights and opportunities from the Household Water Insecurity Experiences (HWISE) Network.*
- 2019 Colloquium Speaker, Department of Anthropology and Geography, Coastal Carolina University, Conway, SC: *A household-level view of water scarcity: Highlights and opportunities from the Household Water Insecurity Experiences (HWISE) Network.*
- 2018, 2019 Guest Lecture, Center for Latino Health Research Opportunities (CLaRO), University of Miami, Coral Gables, FL: *Introduction to geospatial analysis for public health research.*
- 2018 Pediatric Preventable Blindness, The Suriname Project Symposium, Bascom Palmer Eye Institute, University of Miami Health System, Miami, FL: *Introduction to geospatial analysis for public health research.*
- 2016 Guest Lecture, Center of Excellence for Health Disparities Research: El Centro, University of Miami, Coral Gables, FL: *Introduction to geospatial analysis for public health research.*

- 2015 Guest Lecture, Instituto Nacional de Diabetes y Nutrición (INDEN), Santo Domingo, Dominican Republic: *Socio-environmental determinants of dengue fever in the Americas and Africa.*
- 2015 Colloquium Speaker, Department of Health Sciences, Florida Gulf Coast University, Fort Myers, FL: *Urban health disparities in the developing world: A geographic perspective.*
- 2014 World Health Day Symposium: Small Bite, Big Threat, University of Miami, Coral Gables, FL. Panelist: *From Florida to West Africa: Two case studies in the (re)emergence of dengue fever.*
- 2014 Colloquium Speaker, Department of Geography and Environmental Studies, University of New Mexico, Albuquerque, NM: *Urban health disparities in the developing world: A geographic perspective.*
- 2014 3<sup>rd</sup> Annual Tropical Biology Symposium, Kushlan Tropical Science Institute, Fairchild Tropical Botanic Garden, Coral Gables, FL: *From Florida to West Africa: Two case studies in the (re)emergence of dengue fever.*
- 2013 Faculty Learning Community, University of Miami, Coral Gables, FL: *Unlocking doors to data visualization and the geoweb.*
- 2013 United Against Infectious Diseases (UAID), University of Miami, Coral Gables, FL: *Infectious diseases and developing cities: A geographic perspective.*
- 2012 Colloquium Speaker, Department of Geography and Regional Studies, University of Miami, Coral Gables, FL: *Urban health disparities in the developing world: A geographic perspective.*
- 2012 Philanthropy Week, University of Miami School of Law, Coral Gables, FL. Panelist: *Water & poverty: The importance of clean water in developing nations.*
- 2012 Colloquium Speaker, Department of Geography, San Diego State University, San Diego, CA: *Spatial patterns of water insecurity in a developing city: Lessons from Accra, Ghana.*
- 2011 World Water Day Symposium: Urban Water Issues from Global to Local, The George Washington University, DC: *Urban drinking water privatization in Western Africa: A fourth world contradiction.*
- 2009 University of the West Indies, Mona, Jamaica: *Dengue fever surveillance and control in Jamaica.*

### **Funded Workshops**

- Mar 2020 Organizer: *Connecting the Dots between Climate Change, Water Insecurity, and Migration, Household Water Insecurity Experiences Research Coordination Network (HWISE RCN) Workshop, University of Miami, Coral Gables, FL.*
- Sep 2018 Attendee: *Household Water Insecurity Indicators, Royal Geographic Society, London, UK.*
- Feb 2018 Attendee: *Household Water Sharing Workshop, Arizona State University, Tempe, AZ.*
- Aug 2017 Attendee: *Household Water InSecurity Experiences (HWISE), Northwestern University, Evanston, IL.*
- Sep 2016 Attendee: *Reimagining Household Water Security Research, Water Security Initiative, College of Geosciences, Texas A&M University, College Station, TX.*
- Jun 2016 Attendee: *Achieving Universal Access to Urban Sanitation Services, The Bill & Melinda Gates Foundation (with Emory University and the University of Leeds), Atlanta, GA.*

### **Conferences**

- (as presenter)
- Apr 2020 Annual Meeting of the American Association of Geographers (AAG), Denver, CO: *What's in a name? Undergraduate student perceptions of geography, environment, and sustainability key words and program names (Sponsored by the Geography Education Specialty Group).*
- Apr 2020 Annual Meeting of the American Association of Geographers (AAG), Denver, CO: *Cash water expenditures are associated with household water insecurity, food insecurity, and perceived stress in study sites across 20 low- and middle-income countries.*
- Sep 2019 Water Security: New Technologies, Strategies, Policies, and Institutions, American Water Resources Association and Chinese Academy of Sciences, Beijing, China: *Panel: Household water insecurity and SDG 6: advancing the global agenda from the ground up.*
- Apr 2019 Annual Meeting of the American Association of Geographers (AAG), Washington, DC: *University student perceptions of geography key words and departmental names.*
- Oct 2018 Water and Health: Where Science Meets Policy, University of North Carolina at Chapel Hill, NC: *A new approach to measuring Household Water InSecurity Experiences (HWISE): Highlights and opportunities from the HWISE Network.*
- Apr 2018 Annual Meeting of the American Association of Geographers (AAG), New Orleans, LA: *Characterizing the spatial mismatch between intimate partner violence screening practices and arrests in Miami-Dade County, Florida.*
- Apr 2017 Annual Meeting of the American Association of Geographers (AAG), Boston, MA: *Is drinking water access "in the bag"? The diffusion of sachet water in Ghana, 2010-2014.*

- Jun 2016 GIS and Health Symposium, Urban and Regional Information Systems Association (URISA), Washington, DC: *A GIS approach to identifying socially and medically vulnerable older adult populations in South Florida.*
- Mar 2016 Annual Meeting of the American Association of Geographers (AAG), San Francisco, CA: *The demise of piped water? A spatial analysis of primary drinking water sources in Ghana.*
- Nov 2015 Annual Meeting of the American Public Health Association (APHA), Chicago, IL: *Malaria misdiagnosis and the re-emergence of viral fevers: The case for improved surveillance and diagnostics of acute undifferentiated febrile illness in West Africa.*
- Oct 2015 Water and Health: Where Science Meets Policy, University of North Carolina at Chapel Hill, NC: *A multi-scalar geographic analysis of primary drinking water sources in Ghana.*
- Jul 2015 38<sup>th</sup> Annual Water, Engineering and Development Centre (WEDC) International Conference, Loughborough University, UK: *Tapping customers: A spatially-explicit, open-source platform for crowdsourcing municipal water service quality data in a developing city.*
- Apr 2015 Annual Meeting of the Association of American Geographers (AAG), Chicago, IL: *Piped water flows but sachet consumption grows: The paradoxical drinking water landscape of an urban slum in Ashaiman, Ghana.*
- Nov 2014 Annual Meeting of the American Public Health Association (APHA), New Orleans, LA: *Sachet water quality and brand reputation in two urban slums in Greater Accra.*
- Nov 2014 Annual Scientific Meeting of the Gerontological Society of America (GSA), Washington, DC: *A spatial analysis of socially and medically vulnerable older adults in South Florida.*
- Oct 2014 Water and Health: Where Science Meets Policy, University of North Carolina at Chapel Hill, NC: *Presence of Pseudomonas aeruginosa in coliform-free sachet drinking water in Ghana.*
- Apr 2014 Annual Meeting of the Association of American Geographers (AAG), Tampa, FL: *Sachet water quality and brand reputation in two urban slums in Greater Accra.*
- Jun 2013 GIS in Public Health Conference, Urban and Regional Information Systems Association (URISA), Miami, FL: *Drinking water in transition: Sachet water consumption and Accra's urban poor.*
- Apr 2013 Annual Meeting of the Association of American Geographers (AAG), Los Angeles, CA: *A mixed methods approach to interpreting neighborhood health effects in Accra, Ghana.*
- Oct 2012 Annual Meeting of the American Public Health Association (APHA), San Francisco, CA: *Sachet drinking water in Ghana's Accra-Tema Metropolitan Area: Past, present, and future.*
- Feb 2012 Annual Meeting of the Association of American Geographers (AAG), New York, NY: *Sachet drinking water in Ghana's Accra-Tema Metropolitan Area: Past, present, and future.*
- Jan 2012 Understanding the Social, Economic, and Spatial Dynamics of Health and Well-Being in Accra, Institute of Statistical Social and Economic Research (ISSER), University of Ghana-Legon, Accra, Ghana: *Urban drinking water privatization in Accra: The contradictions of sachet water.*
- Oct 2011 Annual Meeting of the American Public Health Association (APHA), Washington, DC: *When urban taps run dry: Sachet drinking water patterns and health effects in low income neighborhoods of Accra, Ghana.*
- Oct 2011 Water and Health: Where Science Meets Policy, University of North Carolina at Chapel Hill, NC: *Urban drinking water privatization in Western Africa: Lessons from Accra, Ghana.*
- Jun 2011 GIS in Public Health Conference, Urban and Regional Information Systems Association (URISA), Atlanta, GA: *Spatial patterns of water insecurity: Highlights from Accra, Ghana.*
- Apr 2011 Annual Meeting of the Association of American Geographers (AAG), Seattle, WA: *Spatial patterns of water insecurity: Highlights from Accra, Ghana.*
- Mar 2011 SDSU Student Research Symposium, San Diego, CA: *When urban taps run dry: Drinking water patterns in low income neighborhoods of Accra, Ghana.*
- Nov 2010 Annual Meeting of the American Public Health Association (APHA), Denver, CO: *Correlates of high fecal coliforms in stored water among low-income households in Accra, Ghana.*
- Mar 2009 Annual Meeting of the Association of American Geographers (AAG), Las Vegas, NV: *Demographic, environmental and spatial analysis of urban malaria in Accra, Ghana.*
- Feb 2009 SDSU Student Research Symposium, San Diego, CA: *Epidemiology, surveillance, and control of dengue fever in Jamaica.*
- Mar 2008 SDSU Student Research Symposium, San Diego, CA: *A spatial analysis of self-reported malaria prevalence in Accra, Ghana: The role of urban agriculture.*
- Apr 2007 Annual Meeting of the Association of American Geographers (AAG), San Francisco, CA: *A spatial analysis of self-reported malaria prevalence in Accra, Ghana: The role of urban agriculture.*

## Teaching

2012-present

**University of Miami** (\* denotes new course; sections in parentheses)

- \*GEG 101 Digital Earth (1)
- GEG 105 World Regional Geography (Honors) (1)
- GEG 110 Human Geography (2)
- \*GEG 235 Wine, Environment, & Society (1)
- \*GEG 241 Health & Medical Geography (8)
- \*GEG 312/691, ECS 372/572 GIS for Health and Environment (3)
- GEG 341, SOC 345, ECS 372 Population, Health, and Environment (1)
- \*GEG 343/643, ECS 372 Population, Sustainability, and the Media (2)
- \*GEG 345, ECS 372 Drinking Water: Past, Present, and Future (5)
- \*GEG 348/648, ECS 372 Climate Change & Public Health (3)
- \*GEG 545, ECS 572 Capstone Research Seminar (1)

2010-2011

**University of California, Santa Barbara**

On-site consultant to NIH-funded Advanced Spatial Analysis Workshops in *Spatial Pattern Analysis* (2010), and *Multilevel Modeling* (2011), sponsored by UCSB's Center for Spatially Integrated Social Science (CSISS) and Penn State's Population Research Institute (PI: S. Matthews).

2006-2010

**San Diego State University**

- GEOG 573 Population and the Environment
- EPI 783 Infectious Disease Epidemiology in a Resource Constrained Setting (taught in Jamaica)
- GEOG 385 Spatial Data Analysis (*as Teaching Assistant*)

## Guest Class Lectures

- 2020 Prácticas en la Profesión I, Universidad de la Américas Puebla, Mexico.
- 2020 POL 525 Comparative Public Policy and Administration, UM.
- 2019 GEG 105 World Regional Geography, UM.
- 2018 GEG 336 Hazards & Disasters: The Nature-Society Interface, UM.
- 2017, 2018 GEG 101 Digital Earth, UM.
- 2016, 2018 GEG 110 Introduction to Human Geography, UM.
- 2016, 2017 GEG 331 Sustainable Development, UM.
- 2016 GEG 346 Immigrant and Refugee Health, UM.
- 2016 REL 161 Religion and Medicine, UM.
- 2015, 2016 BPH 206 Introduction to Public Health, UM.
- 2014, 2015 FSS 199 Books that Matter, UM.
- 2014, 2015 GEG 402 Place, Region, Nature, UM.
- 2014 EPH 500 Introduction to Public Health, Miller School of Medicine, UM.
- 2014 URB 301 Cities in Time and Space, UM.
- 2014 ECS 113 Introduction to Environmental Policy, UM.
- 2013 EPH 540 Urban Health, Miller School of Medicine, UM.
- 2012 EPH 512 Global Public Health Issues and Policies in the 21<sup>st</sup> Century, Miller School of Medicine, UM.
- 2012 PH 784 Global Environmental Health, Graduate School of Public Health, SDSU.
- 2010, 2011 GEOG 574 Water Resources, Department of Geography, SDSU.
- 2008, 2009 PH 621 Infectious Disease Epidemiology, Graduate School of Public Health, SDSU.
- 2007 GEOG 385 Spatial Data Analysis, Department of Geography, SDSU.

## Awards

- 2019 SEEDS 'You Choose' Leadership Award, University of Miami. \$2,400
- 2019 James W. McLamore Research Award, University of Miami. \$16,725
- 2018 James W. McLamore Research Award, University of Miami. \$6,500
- 2017 SEEDS 'You Choose' Leadership Award, University of Miami. \$1,000
- 2017 Faculty Learning Community Fellow, University of Miami. n/a
- 2017 James W. McLamore Research Award, University of Miami. \$17,000
- 2016 Foote Fellow Seminar Development Award, University of Miami. \$2,500
- 2016 James W. McLamore Research Award, University of Miami. \$16,935
- 2016 MSSH Working Group support, College of Arts & Sciences, University of Miami. \$300
- 2015 SEEDS 'You Choose' Leadership Award, University of Miami. \$2,500

2015	Summer Writing Institute Fellow, University of Miami.	\$1,500
2014	James W. McLamore Research Award, University of Miami.	\$17,000
2013	Publication fee assistance grant, College of Arts & Sciences, University of Miami.	\$675
2013	School of Communication Knight Center Grant, University of Miami (co-investigator).	\$5,000
2013	James W. McLamore Research Award, University of Miami.	\$17,000
2012	SEEDS 'You Choose' Leadership Award, University of Miami.	\$2,000
2012	Aztec of the Year, SDSU College of Arts and Letters.	n/a
2012	Graduate Student Travel Scholarship, SDSU Division of Research Affairs.	\$384
2011	Graduate Student Travel Scholarship, SDSU Division of Research Affairs.	\$300
2010	Inamori Fellowship, Inamori Foundation and SDSU Division of Research Affairs.	\$5,000
2010	Graduate Student Travel Scholarship, SDSU Division of Research Affairs.	\$750
2009	Scholars Without Borders Study Abroad Scholarship, SDSU Chapter.	\$500
2009	Dean's Award for Research and Scholarship, SDSU Student Research Symposium.	\$250
2009	Pre-doctoral Student Travel Grant, UCSB Graduate Students Association.	\$75
2008	Delta Omega, Honorary Society in Public Health, Sigma Chapter, SDSU.	n/a
2008	President's Award for Research and Scholarship, SDSU Student Research Symposium.	\$500
2007	Graduate International Scholarship, SDSU Office of International Programs.	\$500
2007	International Travel Grant, SDSU College of Health and Human Services.	\$500
2007	Caldwell, Flores, Winters Award in GIS Emphasizing Human Geography.	\$500
2006	McFarland Geography Scholarship, SDSU Department of Geography.	\$5,600

### Departmental Service

*(primary activities)*

2019-present	Director of Strategic Initiatives, Geography, UM.
2012-2018	College Council Representative (Vice-Chair 2015-2016), Geography, UM.
2012-2017	GIS Committee and GIS Day Organizing Committee, Geography, UM.
2015-2017	Director of Undergraduate Studies, Geography, UM.
2015-2017	Director of Social Media, Geography, UM.
2013-2016	Alumni relations liaison to the Office of Development, UM.
2014-2015	Director of Curricula Revision; primary architect of a B.S. in Geography and a Minor in Geospatial Technology effective AY 2016-2017, Geography, UM.
2013-2014	Search Committee, Tenure-Track Assistant Professor, Geography, UM.
2013	Search Committee, Visiting Assistant Professor, Geography, UM.
2012	Organizer and Panelist, <i>Crash Course: Applying to Graduate School</i> , for UM undergraduates in Geography and Regional Studies, and Ecosystem Science and Policy.

### College Service

*(primary activities)*

2019-present	Steering Committee, Program in Global Health Studies, College of Arts & Sciences, UM.
2016-present	Director, Minor in Social Science & Medicine, College of Arts & Sciences, UM.
2016	Director, Social Science & Medicine Speaker Series (funded and produced three colloquia in medical anthropology, geography, and sociology), College of Arts & Sciences, UM.
2015-2016	Committee Chair, Proposal for a Minor in Social Science & Medicine, College of Arts & Sciences, UM.
2013-2014	Committee Member, Proposal for a Convergence Research Initiative, College of Arts & Sciences, UM.
2013-2014	Committee Member, Proposal for a M.A. in Global Health and Society, College of Arts & Sciences, UM.
2013	Committee Member, Proposal for an Independent Studies Major, College of Arts & Sciences, UM.

### University Service

*(primary activities)*

2019-present	Committee Member, Faculty Senate Equity and Inclusion Committee, UM.
2019-present	Faculty Advisor: DOCS physician trainee community service organization, Miller School of Medicine.
2015-present	Faculty Advisor, Engineers Without Borders, UM.
2015-present	Faculty Advisory Committee, Leonard and Jayne Abess Center for Ecosystem Science and Policy, UM.
2018-2020	Faculty Advisor, Canes for Social Change, UM.
2019	Faculty Lead: University of Miami Initiative for Migration, Global Change, and Policy, UM.
2016-2019	Senior Residential Faculty, Mahoney Residential College, UM.
2014-2017	Committee Member, Graduate Admissions, Leonard and Jayne Abess Center for Ecosystem Science and Policy, UM.
2015-2016	Associate Residential Faculty, Mahoney Residential College, UM.
2014-2015	Associate Residential Faculty, Hecht Residential College, UM.

2012-2013 Speaker, Faculty & Staff Development Seminar (delivered twice): *Unlocking the Geoweb: Incorporating Space and Place into Your Research*, UM.

### Academic Service

- 2020 Committee Member, American Association of Geographers COVID-19 Rapid Response Department Subcommittee. Developed proposals for AAG organizational response to the pandemic.
- 2020 Chair, paper session at 2020 Annual Meeting of the American Association of Geographers, Denver, CO: *Household Water Insecurity Experiences: Intersections II* (Sponsored by the Water Resources Specialty Group).
- 2020 Organizer, Chair, Panelist, panel session at 2020 Annual Meeting of the American Association of Geographers, Denver, CO: *What's in a name? Undergraduate student perceptions of geography, environment, and sustainability key words and program names* (Sponsored by the Geography Education Specialty Group).
- 2020 Organizer, panel session at 2020 Annual Meeting of the American Association of Geographers, Denver, CO: *Meet the Authors: Water politics: governance, justice, and the right to water* (Sponsored by the Water Resources and Political Geography Specialty Groups).
- 2019 Chair, paper session at 2019 Annual Meeting of the American Association of Geographers, Washington, DC: *Progress in Household Water Insecurity Experiences I: HWISE Scale and Data* (Sponsored by the Water Resources Specialty Group).
- 2019 Panelist, 2019 Annual Meeting of the American Association of Geographers, Washington, DC: *Interdisciplinary Mentorship in Communities of Practice: Experiences, Best Practices, and Challenges*.
- 2019 Organizer, Chair, Panelist, panel session at 2019 Annual Meeting of the American Association of Geographers, Washington, DC: *What's in a name? Rethinking the branding of geography for undergraduates* (Sponsored by the Geography Education Specialty Group).
- 2019 Chair, paper session at 2019 Annual Meeting of the American Association of Geographers, Washington, DC: *Environmental Science Studies and Understanding among University Students* (Sponsored by the Geography Education Specialty Group).
- 2018 Discussant, paper sessions at 2018 Annual Meeting of the American Association of Geographers, New Orleans, LA: *Water and Cities in Africa I: Debates and Struggles*, and *Water and Cities in Africa II: Futures* (Sponsored by the Africa Specialty Group).
- 2018 Chair, paper session at 2018 Annual Meeting of the American Association of Geographers, New Orleans, LA: *Social Disparities, Environment, and Health* (Sponsored by the Health & Medical Geography Specialty Group).
- 2017 Organizer, series of three paper sessions (15 abstracts) at 2017 Annual Meeting of the American Association of Geographers, Boston, MA: *Health, Poverty, and Place in Ghana I-III* (Sponsored by the Africa, Health & Medical Geography, and Population Specialty Groups).
- 2016 Organizer, paper session at 2016 Annual Meeting of the American Association of Geographers, San Francisco, CA: *Global Migration at Multiple Scales* (Sponsored by the Africa Specialty Group).
- 2016 Panelist, 2016 Annual Meeting of the American Association of Geographers, San Francisco, CA: *Advising the Next Generation of Geography Undergraduates* (Sponsored by the Geography Education Specialty Group and Community College Affinity Group; AAG Jobs and Careers Theme).
- 2016 Panelist, 2016 Annual Meeting of the American Association of Geographers, San Francisco, CA: *Teaching and Advising about Careers in Geography* (AAG Jobs and Careers Theme).
- 2016 Discussant, 2016 Annual Meeting of the American Association of Geographers, San Francisco, CA: *Population Specialty Group: Lifetime Achievement Award for John Weeks*.
- 2015 Program Committee Member: HealthGIS 2015, Fourth ACM SIGSPATIAL International Workshop on the Use of GIS in Public Health, November 2015, Seattle, WA.
- 2015 Chair, paper session at 2015 Annual Meeting of the Association of American Geographers, Chicago, IL: *Informality, Informal Settlements, and Health Geographies in Africa* (Sponsored by the Africa Specialty Group).
- 2014 Program Committee Member: HealthGIS 2014, Third ACM SIGSPATIAL International Workshop on the Use of GIS in Public Health, November 2014, Dallas, TX.
- 2014 Organizer and Chair, paper session at 2014 Annual Meeting of the Association of American Geographers, Tampa, FL: *Urban Water Supply and Governance in Sub-Saharan Africa* (Sponsored by the Africa, Water Resources, and Health & Medical Geography Specialty Groups); and *Urban Slums: Human Resilience and Community Feedbacks in the Developing World* (Sponsored by the Population and Ethics, Justice, and Human Rights Specialty Groups).
- 2012-2013 Steering Committee Member, URISA GIS in Public Health Conference, June 2013, Miami, FL.

- 2011 Co-organizer, paper session at 2011 Annual Meeting of the Association of American Geographers, Seattle, WA: *Exploring Household Water Access in Low-income Nations: A Geographic Perspective* (Sponsored by Population Specialty Group).

### Industry Service

- 2016-present Advisory Board, [VectorAnalytica Inc.](#), Washington, DC.

### Student Advising

#### Graduate

- ongoing Cho Hee Shrader, Committee Member, Ph.D. in Prevention Science and Community Health, University of Miami.
- ongoing Andrea Sullivan, Committee Chair, Ph.D. in Environmental Science and Policy, University of Miami.
- ongoing Jacob Patus, Committee Member, Ph.D. in Biology, University of Miami.
- 2019 Nicholas Amoako, Committee Member, Ph.D. in Biochemistry, Cell and Molecular Biology, Program in Molecular and Cell Biology of Infectious Disease (MCBI), University of Ghana.
- 2019 Mandeville Wakefield, Committee Member, M.A. in Latin American Studies, University of Miami.
- 2018 Michael Eduful, Committee Member, Ph.D. in Geography and Environmental Science and Policy, University of South Florida.
- 2017 Deborah Roque, Committee Chair, M.A. in Environmental Science and Policy, University of Miami.
- 2016 Rachel Lautenschlager, Committee Member, M.A. in Sociology, University of Miami.
- 2016 Temitope Alimi, Committee Member, Ph.D. in Environmental Science and Policy, University of Miami.
- 2015 Philip Chorath, Committee Member, M.S. in Civil Engineering, University of Miami.
- 2015 Rupert K. Delimini, Committee Member, M.Phil. in Biochemistry, Cell and Molecular Biology, Infectious Diseases Research Laboratory, University of Ghana.
- 2015 Julia Wester, Reader, Ph.D. in Environmental Science and Policy, University of Miami.
- 2014 Tanjim Hossain, Reader, Ph.D. in Environmental Science and Policy, University of Miami.
- 2013 Rawan al Dashti, Capstone project co-supervisor, M.P.H., University of Miami.

#### Undergraduate

- 2017-2019 Sydney Steel, Independent Major Committee Chair, B.A. Globalization and Social Medicine '19, UM.
- 2015-2017 Jaclyn Verity, Independent Major Committee Chair, B.S. Health Geographics '17, UM.
- 2015-2016 Kurt Daum, Honors Summer Fellow Advisor (2015), and Beyond the Book Award Advisor (2016), B.A. Geography '17, UM.
- 2016 Samuel Franco, Summer Research Assistant, B.A. Ecosystem Science & Policy and Geography '17, UM.
- 2015 Christopher Cowen, Summer Research Assistant, B.S. Statistics and B.A. Geography '16, UM.
- 2013 Heidi Savabi, Honors Summer Fellow Advisor, B.A. International Studies '14, UM.

### Ad Hoc Referee

- 2018 Doctoral Dissertation Research: Geography and Spatial Sciences, NSF, Alexandria, VA. (*Invitation declined due to COI.*)
- 2017 Environment and Sustainability Research Grants, Royal Geographic Society (with IBG), London, UK.
- 2016 Microbiology and Infectious Diseases Research Committee (2016/10 MID 1) (teleconference; one application), National Institute for Allergy and Infectious Disease (NIAID), NIH, Bethesda, MD.
- 2016 Peer Reviewed Medical Research Programs (PRMRP) Pre-application Emerging Infectious Diseases (PRE-EID) online peer review panel of the Department of Defense Congressionally Directed Medical Research Programs (CDMRP). (*Invitation declined.*)
- 2016 Mentored Patient-Oriented Research Career Development Award (teleconference; 1 application), National Institute for Allergy and Infectious Disease (NIAID), NIH, Bethesda, MD. (*Invitation declined.*)

### Manuscript Referee

<i>Title</i>	<i>Publisher</i>	<i>#</i>
Acta Tropica	Elsevier	7
African Geographical Review	Taylor & Francis	3
African Journal of Environmental Science & Technology	Academic Journals	1
American Journal of Tropical Medicine and Hygiene	ASTMH	1
BMC Infectious Diseases	BioMed Central	1
Bulletin of the World Health Organization	WHO	1
Emerging Infectious Diseases	CDC	3

Environment and Planning E: Nature and Space	SAGE	1
Environmental Engineering Science	Liebert	1
Environmental Processes	Springer	1
Environmental Science & Technology	American Chemical Society	1
Geografiska Annaler B: Human Geography	Wiley	1
Geographical Analysis	Wiley	1
GeoJournal	Springer	4
GIScience & Remote Sensing	Taylor & Francis	1
Habitat International	Elsevier	3
Health & Place	Elsevier	4
International Health	Oxford Journals	2
International Journal of Allied & Health Sciences	Wolters Kluwer	1
International Journal of Environmental Research and Public Health	MDPI	1
International Journal of Health Geographics	BioMed Central	1
International Journal of Hygiene and Environmental Health	Elsevier	2
International Journal of Water Resources Development	Taylor & Francis	1
Journal of Environmental and Public Health	Hindawi	1
Journal of Interpersonal Violence	SAGE	2
Journal of Urbanism: International Research on Placemaking and Urban Sustainability	Taylor & Francis	2
Journal of Water, Sanitation & Hygiene for Development	IWA	1
Lancet Infectious Diseases	Elsevier	1
Land Use Policy	Elsevier	1
Landscape and Urban Planning	Elsevier	1
Malaria Journal	BioMed Central	5
PLOS ONE	Public Library of Science	4
Remote Sensing	MDPI	2
Risk Analysis	Wiley	1
Science of the Total Environment	Elsevier	1
Tropical Medicine & International Health	Wiley	1
Urban Water Journal	Taylor & Francis	3
Water Economics and Policy	World Scientific	2
World Development	Elsevier	2
WIREs Water	Wiley	4
Total		77

## Membership

2016-present	American Society of Tropical Medicine & Hygiene (ASTMH).
2006-present	American Association of Geographers (AAG).
2008-2016	American Public Health Association (APHA).
2011-2013	Urban and Regional Information Systems Association (URISA).

## Media

9/04/2020	Vox, <i>An Effective Covid-19 Vaccine Isn't Enough. People Have to Be Willing to Get It.</i>
7/18/2020	New York Times (link to research), <i>Mistrust of a Coronavirus Vaccine Could Imperil Widespread Immunity.</i>
10/11/2019	NBC6, Miami (video), <i>The Food We Eat and Climate Change.</i>
8/22/2019	Water Online, <i>Drinking Water Challenges On the Rise.</i>
11/5/2018	Bhekisisa Centre for Health Journalism, <i>Water in Ghana from Pipe to Packet: Is There a Hidden Cost to This Low-Cost Solution?</i>
10/3/2018	Break Dengue, <i>Dengue in Africa: Why We Urgently Need to Wake Up to the Public Health Threat on the Continent.</i>
9/10/2018	Break Dengue, <i>The Impact of Climate Change on Dengue, and Why We Can't Ignore It.</i>
5/5/2018	Sun Sentinel, <i>Mosquitoes That Carry Zika Could Bring Deadlier Yellow Fever This Year.</i>
8/15/2017	WLRN (local NPR affiliate), <i>Scientists Read Thousands of Comments to Understand Public Opinion on GMO Mosquitoes.</i>
8/23/2016	Al Jazeera English (video), <i>US Health Officials Caution Zika Spread Beyond Florida.</i>
8/23/2016	Geospatial World, <i>GIS Mapping Tools Helps Senior Citizens in South Florida Access Healthcare.</i>

- 8/22/2016 Health Data Management, *GIS Maps Seen as Tool for Improving Access to Care for Seniors.*
- 8/10/2016 Continuum of Care News, *Florida Researchers Use GIS Mapping to Identify Vulnerable Senior Citizens.*
- 2/4/2016 Al Jazeera America (video), *Florida Declares State of Emergency with Zika Virus.*
- 1/29/2016 Christian Science Monitor, *As Zika Spreads, Brazil Deploys Everything from Local Workers to Troops.*
- 6/25/2015 ACEPNow (published by American College of Emergency Physicians), *Sick Travelers Returning from West Africa Most Likely to Have Malaria.*
- 4/14/2015 Mosaic (published by the Wellcome Trust), *The Cost of Pure Water.*
- 3/10/2015 Healio, *Dengue Exposures Unnoticed among Ghanaian Children.*
- 3/5/2015 Nature World News, *How Dengue Fever Could Hasten Malaria's Deadly March on Africa.*
- 3/5/2015 Infection Control Today, *The Hidden Burden of Dengue Fever in West Africa.*
- 3/4/2015 Voice of America, *Study: Diseases Mistaken for Malaria.*
- 3/4/2015 Global Biodefense, *The Hidden Burden of Dengue Fever in West Africa.*
- 3/2/2015 Science Daily, *Hidden Burden of Dengue Fever in West Africa.*
- 8/12/2013 The Rockefeller Foundation's Informal City Dialogues, *Tiny Bags of Water Buoy an Economy, and Make a Big Mess.*
- 6/19/2013 Science Codex, *Looking at Sachet Water Consumption in Ghana.*

## Other Workshops

- (Professional Development)
- 2019 Science Engagement and Public Engagement Fundamentals, Center for Public Engagement with Science and Technology, American Association for the Advancement of Science (AAAS), Washington, DC.
- 2018 CLaRO Summer Training Institute on Health Disparities, University of Miami.
- 2017 Persuasive Proposals: Writing about New Science with Integrity, Authority, and Imagination, University of Miami.
- 2017 Medical Humanities Summer Institute, Consortium of Humanities Centers and Institutes, University of Miami.
- 2016 WACCBIP Research Conference 2016, West African Centre for Cell Biology of Infectious Pathogens, University of Ghana, Accra, Ghana.
- 2016 Esri Education GIS Conference, and Esri User Conference, San Diego, CA.
- 2015 Climate Health Summit, Physicians for Social Responsibility, Washington, DC.
- 2015 Esri Education GIS Conference, and Esri User Conference, San Diego, CA.
- 2015 IBIS Ally Network: LGBTQ Advocacy and Resources, University of Miami.
- 2014 Esri Education GIS Conference, and Esri User Conference, San Diego, CA.
- 2014 Academic Leadership: Uses of Influence, Power and Conflict Resolution, University of Miami.
- 2013 Strategic Persuasion: Skills in Problem Solving, Conflict Resolution and Negotiations, University of Miami.
- 2008 Workshop in Teaching College Geography, San Diego State University.

## Prior Experience

- 2003-2006 **Sumitomo Mitsui Banking Corporation** **New York, NY**  
*Consultant.* Planning Development Americas Division, Information Systems.
- Managed the implementation of several internal information systems projects including: a release management tool to coordinate environment migrations of technology builds; Demand Deposit Account system enhancements that enable balance sweeps to offshore investment vehicles; consolidation of messaging interfaces between foreign exchange origination and transaction processing systems; web interface to the bank's global payment system.
- 2000-2002 **Deutsche Bank AG** **New York, NY**  
*Program Manager.* Global MIS Coordination, Central Management.
- Managed strategic integration of global Client Relationship Management (CRM) and Management Information Systems (MIS) initiatives with leading vendors and development partners. Standardized business processes, data models and architecture to support executive management objectives.
- Associate.* The DB Consulting Group, Global Technology & Services.
- Practice Development Lead for several projects including the IT architecture migration and reengineering of a global government securities clearing system, documentation of CRM vision for financial services firms, and user interface design for a new electronic brokerage product in Brazil.

- 1999-2000 **PricewaterhouseCoopers, LLP** **New York, NY**  
*Consultant.* Management Consultant Services, Financial Services Practice.
- Clients: *Goldman Sachs (primary), Chase Manhattan Bank, Standard & Chartered Bank.*
  - Team Lead for implementation of web-based applications. Created functional specifications and conceptual models, evaluated competing software solutions, designed user interfaces, documented new process flows and change management implications. Managed teams of 5-10 developers.
- 1997-1999 **The Boston Consulting Group, Inc.** **New York, NY**  
*Business Analyst.* Human Resources and Career Development.
- Functional lead for implementation of new Oracle-based proprietary HRIS database application. Researched business requirements, wrote system documentation, and conducted user training.