

**Date:** October 6, 2020

## **PERSONAL INFORMATION**

**Name:** Imelda K. Moise  
**Office Phone:** 305-284-2360  
**Current Academic Rank:** Assistant Professor  
**Primary Department:** Geography and Regional Studies  
**Secondary Appointments:** Public Health Sciences | International Studies  
**Citizenship:** American  
**Visa Type (if non-citizen):** Not applicable

## **HIGHER EDUCATION**

### **Institutional:**

- Ph.D. Geography (health geography concentration), 2012; University of Illinois at Urbana-Champaign, Illinois  
Dissertation: "Health risk differentials: Implications of neighborhood conditions on various health outcomes in Hurricane Katrina New Orleans, 2004-2009."
- MPH. Public Health, 2015; University of Illinois at Springfield, Illinois
- MSc. Geography (health geography concentration), 2007; University of Illinois at Urbana-Champaign, Illinois  
Thesis: "Applications of Geospatial Analysis to Surveillance Data: A spatial look at HIV/AIDS prevalence in Zambia."
- B.A. Geography & Environmental Studies (double major), 2005; University of Oregon, Oregon (with magna cum laude)

### **Non-Institutional:**

- 2019 Intersectional Qualitative Research Methods Institute, University of Maryland, Maryland, USA.
- 2018 Applied Multilevel Models for Longitudinal and Clustered Data, University of Colorado Boulder, USA
- 2016 Technology for M&E Online Course.
- 2015 Net-Mapping, World Bank, Washington, DC., USA.
- 2010 Geographically Weighted Regression; University of Santa Barbara, California, USA.
- 2005 Geographic Information Systems, University of Oregon, Oregon, USA.

## **EXPERIENCE**

### **Academic Positions – University of Miami (° = secondary appointment):**

- 2015-present Assistant Professor, Department of Geography and Regional Studies.
- 2016-present Assistant Professor, °Division of Environment & Public Health, Department of Public Health Sciences, Miller School of Medicine.
- 2016-present Faculty Affiliate, Leonard and Jayne Abess Center for Ecosystem Science and Policy.
- 2018-present Assistant Professor, °Department of International Studies.

### **Non-Academic Positions (outside the University of Miami):**

- 2013- 2015 Senior Advisor (GIS/M&E), John Snow Inc., International Division, Washington DC. USA: Supported USAID|MEASURE EVALUATION and USAID|DELIVER projects on various scopes of work in low-middle income countries.
- 2008- 2013 Research Program Specialist, Center for Prevention Research and Development, Illinois, USA: Provided program evaluation to the Illinois Department of Human Services; Partnership for Success; Chicago Healthy Start, Brief Intervention Program, State Prevention Enhancement Grants.
- 2007 GIS Intern-SCEP, Environmental Protection Agency (EPA), Office of Environmental Information (OEI), Washington D.C
- 2005 Peace Corps Campus Representative, University of Illinois at Urbana-Champaign, Illinois
- 1996-2001 Technical Trainer/Counterpart, Zambia, United States Peace Corps' Rural Aquaculture Program
- 1996-2001 Assistant Aquaculturist, Government of Zambia, Department of Fisheries, Solwezi, Zambia

### **PUBLICATIONS**

**NOTE: The symbol (\*) indicates work with supervised undergraduates, (#) for graduate students; and the symbol (®) indicates work and accomplishments before the assistant professor appointment.**

#### **Books and Monographs Published:**

##### **Books**

- [1] Kalipeni E., Iwelunmor J., Grigsby-Toussaint DS and **Moise IK**, Eds. (2018). Edited Book. "Public Health, Disease and Development in Africa" (Geographies of Health Series); pp. 274, UK: Routledge.

##### **Book Chapters**

- [2] **Moise IK.**, Zulu CL., Fuller DO and Beier JC. (2019). "Persistent barriers to implementing efficacious mosquito control activities in continental United States: Insights from vector control experts." *In*: Current Topics in Neglected Tropical Diseases. Eds. Ifonso J. Rodriguez-Morales; InTechOpen.
- [3] **Moise IK.**, \*de Joya E., Zulu LC., Grigsby-Toussaint DS and Kalipeni E. (2018). "Progress towards combatting HIV/AIDS in Africa." *In*: Public Health, Disease and Development in Africa. Eds. Kalipeni E, Iwelunmor J, Grigsby-Toussaint D and **Moise IK**; pp. 60-78, Routledge, Chapman & Hall, Inc.
- [4] Kalipeni E., Iwelunmor J., Grigsby-Toussaint DS and **Moise IK**. (2018). "Africa's epidemiologic transition of dual burden of communicable and non-communicable diseases." *In*: Public Health, Disease and Development in Africa. Eds. Kalipeni E, Iwelunmor J, Grigsby-Toussaint D and **Moise IK**; pp. 1-9, Routledge, Chapman & Hall, Inc.
- [5] Jayati G., **Moise IK** and Kalipeni E. (2017). "Regional integration and relationship with different forms of foreign direct investments in Southern Africa." *In*: Advances in Geoeconomics. Eds. Joseph Mark Munoz; pp. 151-158, London and New York: Routledge.
- [6] ®**Moise IK.**, Kalipeni E and Zulu LC. (2014). "Analyzing geographical access to HIV sentinel clinics in relation to other health clinics in Zambia." *In*: Perspectives in Medical Geography: Theory and Applications for Librarians. Eds. Amy J. Blatt; pp. 114-186, London and New York: Routledge.

## Juried or Refereed Journal Articles and Exhibitions:

**NOTE: Unless indicated, Journal Ranking Based on ISI Web of Knowledge Impact Factors**

### Journal Articles – Refereed

- [1] **Moise IK. (In print).** “Variation in COVID-19 risk and social determinants of health predictors: Which areas have the greatest risk in Miami-Dade County?” *Preventing Chronic Disease*. **2018 IF 2.038**
- [2] **Moise IK. (2020).** “Youth and Weapons: Patterns, individual and neighborhood correlates of violent crime arrests in Miami-Dade County, Florida.” *Health & Place*. 65:102407. doi: [10.1016/j.healthplace.2020.102407](https://doi.org/10.1016/j.healthplace.2020.102407) (online ahead print). **2018 IF 3.290**
- [3] Rojas D, Feaster D, Balise R, **Moise IK**, de Melo AF, Saavedra J and Szapocznik J. (2020). “The association between the social determinants of health and HIV control in Miami-Dade County ZIP codes, 2017.” <https://doi.org/10.1007/s40615-020-00838-z>. *Journal of Racial and Ethnic Health Disparities*. **2018 IF 1.677**
- [4] **Moise IK.**, Zulu CL and Beier JC. (In print). “A survey of program capacity and skills of Florida mosquito control districts.” *Journal of the American Mosquito Control Association*. **2018 IF 0.618**
- [5] Sallam M., Ahmed T., Sylvain-Lear C., Riegel C and **Moise IK. (2020).** “Spatial Distribution of Illegal Discarded Vehicle Tires and Their Influence on *Ae. albopictus* and *Cx. quinquefasciatus* Populations, New Orleans, Louisiana.” *bioRxiv, online 2020. (IF: N/A)*
- [6] **Moise IK. (2019).** “Geographic gender differences in traumatic unintentional injury hospitalization and youth drinking.” *Drug and Alcohol Dependence*; 205(1): 107701. <https://doi.org/10.1016/j.drugalcdep.2019.107701>. **2018 IF 3.466**
- [7] **Moise IK.**, \*de Joya E., \*Vinicius O. Silva., \*Moise V., Farmer DB and Orantia A. (2019). “Patient-level factors are more salient than a legislation prohibiting minors in bars in predicting unintentional injury hospitalizations.” *BMC Public Health*; 19 (1010). <https://doi.org/10.1186/s12889-019-7327-7>. **2018 IF 2.567**
- [8] **Moise IK. (2019).** “Alcohol use, pregnancy and risk factors: a pilot cross-sectional study of pregnant women attending antenatal care in an urban city.” *BMC Pregnancy and Childbirth*; 19 (472). <https://doi.org/10.1186/s12884-019-2652-5>. **2018 IF 2.413**
- [9] **Moise IK.**, #Kangmennaang J., Hikabisa H., Grigsby-Toussaint DS and Fuller DO. (2019). “Increase in obesity among women of reproductive age in Zambia, 2002-2014.” *Journal of Women's Health*, 28(12): 1679-1687. <http://doi.org/10.1089/jwh.2018.7577>. **2018 IF 2.009**
- [10] Rund SSC., **Moise IK.**, Beier JC and Martinez ME. (2019). “Rescuing troves of hidden ecological data to tackle emerging mosquito-borne diseases.” *Journal of American Mosquito Control Association*: 35(1):75-83. <https://doi.org/10.2987/18-6781.1>. **2018 IF 0.618**
- [11] **Moise IK.**, \*de Joya E., \*Caplan B., Rodriguez VJ., Butts S., Chisembele M., Weiss SM., Jones DL and Alcaide ML. (2019). “Adolescent and young adult couples’ views of intravaginal practices: a focus group analysis.” *International Journal of Women's Health*; (11):49-56. DOI: <https://doi.org/10.2147/IJWH.S180233>. **2018/2019 IF 1.12 (ResearchGate or RG)**
- [12] Dougherty L., Abdulkarim M., Mikailu F., Tijjani U., Owolabi K., Naiya A., Abdullahi A Hadiza and **Moise IK. (2019).** “Enhancing routine immunization paper maps through digital maps: Insights from the maternal and child survival program in Nigeria.” *BMJ Global Health*; (4): e001606. <http://dx.doi.org/10.1136/bmjgh-2019-001606>. **(IF: N/A)**
- [13] #Fernandes JN., **Moise IK.**, Maranto GL and Beier JC. (2018). “Revamping mosquito-borne disease control to tackle future threats.” *Trends in Parasitology*; 34(5):359-368. DOI: <https://doi.org/10.1016/j.pt.2018.01.005>. **2018 IF 8.020**

- [14] **Moise IK.**, #Kangmennaang J., #Hutchings T., Sheskin IM and Fuller DO. (2018). "Perceptions of Zika virus risk during 2016 outbreak, Miami-Dade County, Florida, USA." *Emerging Infectious Diseases*; 24(7):1379-1381. <https://dx.doi.org/10.3201/eid2407.171650>. 2018 IF 7.185
- [15] Ajelli M., **Moise IK.**, #Hutchings TCSG., Brown SC., Kumar N., Johnson NF and Beier JC. (2017). "Host outdoor exposure variability affects the transmission and spread of Zika virus: Insights for epidemic control." *PLoS Neglected Tropical Diseases*; 11(9): e0005851. <https://doi.org/10.1371/journal.pntd.0005851>. 2018 IF 4.487
- [16] **Moise IK.**, Riegel C and Muturi EJ. (2018). "Environmental and social factors influencing *Cx. quinquefasciatus* densities in post-Katrina New Orleans, 2006-2009." *Parasites & Vectors*; 11(1): 249. [doi: 10.1186/s13071-018-2833-5](https://doi.org/10.1186/s13071-018-2833-5). 2018 IF 3.031
- [17] **Moise IK.** (2018). "Causes of Morbidity and Mortality among Neonates and Children in Post-Conflict Burundi: A Cross-Sectional Retrospective Study." *Children (Basel)* ;5(9):125. <https://doi.org/10.3390/children5090125>. 2018/2019 IF 2.078
- [18] Muturi EJ., Donthu RK., Fields CJ., **Moise IK** and Kim Chang-Hyun. (2017). "Effect of pesticides on microbial communities in container aquatic habitats." *Scientific Reports*; 7(44565). DOI: <https://doi.org/10.1038/srep44565>. 2018 IF 4.011
- [19] **Moise IK.**, \*Verity JF and #Kangmennaang J. (2017). "Identifying youth-friendly service practices associated with adolescents' use of reproductive healthcare services in post-conflict Burundi: a cross-sectional study." *International Journal of Health Geographics*; 16(2). <https://doi.org/10.1186/s12942-016-0075-3>. 2018 IF 2.862
- [20] **Moise IK.**, Kalipeni E., Jusrut P and Iwelunmor JI. (2017). "Assessing the reduction of infant mortality rates in Malawi over the 1990-2010 decades." *Global Public Health*; 12 (6) 757-779. DOI: <https://doi.org/10.1080/17441692.2016.1239268>. 2018 IF 1.943
- [21] Subnational Estimates Working Group of the HIV Modelling Consortium, including **Moise IK.** (2016). "Evaluation of geospatial methods to generate subnational HIV prevalence estimates for local level planning." *AIDS*; 30 (9):1467–1474. DOI: [10.1097/QAD.0000000000001075](https://doi.org/10.1097/QAD.0000000000001075). 2018 IF 4.499
- [22] **Moise IK** and Mulhall PF. (2016). "Providers' perspectives on case management of a Healthy Start Program: A qualitative study." *PLOS ONE*; 11(5): <https://doi.org/10.1371/journal.pone.0157803>. 2018 IF 2.776
- [23] **Moise IK.**, Roy SS., Nkengurutse D and Ndikubagenzi J. (2016). "Seasonal and geographic variation of pediatric Malaria in Burundi: 2011 to 2012." *International Journal of Environmental Research and Public Health*; 13(4): 425; <https://doi.org/10.3390/ijerph13040425>. 2018 IF 2.468
- [24] **Moise IK** and Ruiz OM. (2016). "Hospitalizations for substance abuse disorders before and after Hurricane Katrina: Spatial clustering and area level predictors, New Orleans, 2004 and 2008." *Preventing Chronic Disease* 13(E145); DOI: <http://dx.doi.org/10.5888/pcd13.160107>. 2018 IF 2.038
- [25] ©**Moise IK.**, Green DL., Toth J and Mulhall PF. (2014). "Evaluation of an authority innovation-decision: Brief alcohol intervention for pregnant women receiving women, infants, and children services at two Illinois health departments." *Journal of Substance Abuse and Misuse*; 49(7):804-812. <https://doi.org/10.3109/10826084.2014.880484>. 2018 IF 1.383
- [26] ©Grigsby-Toussaint DS and **Moise IK.** (2013). "Neighborhood deprivation and availability of culturally specific African American and Latino fruits and vegetables in five small central Illinois cities." *Open Journal of Preventive Medicine*; 3:205-211 DOI: [10.4236/ojpm.2013.32028](https://doi.org/10.4236/ojpm.2013.32028). 2018/2019 IF 0.42 (RG)
- [27] ©**Moise IK.**, Brown KS., Riegel C., Kalipeni E and Ruiz MO. (2013). "Geographic assessment of unattended swimming pools in post- Katrina New Orleans, 2006-2008." *Annals of the Association of American Geographers*; 103(5):1160-1175. DOI: 10.1080/00045608.2012.740362. 2017 IF 3.810
- [28] ©**Moise IK** and Kalipeni E. (2012). "Applications of geospatial analysis to surveillance data: a spatial examination of HIV/AIDS prevalence in Zambia." *GeoJournal*; 77:525-540. <https://doi.org/10.1007/s10708-010-9349-7>. 2018 IF 1.36 (citescorpe, Scopus)

- [29] ©Grigsby-Toussaint DS., **Moise IK** and Geiger DS. (2011). "Observations of food marketing targeted to youth in the retail food store environment." *Obesity*; 19:1898-1900. <https://doi.org/10.1038/oby.2011.120>. 2018 IF 3.969
- [30] ©**Moise IK.**, Zulu CL and Kalipeni K. (2011). "Analyzing geographical access to HIV sentinel clinics in relation to other health clinics in Zambia." *Journal of Map and Geography Libraries*; 7(3): 254-281. <https://doi.org/10.1080/15420353.2011.599756>. 2018/2019 IF 0.38 (RG)
- [31] ©Grigsby-Toussaint DS., Zenk SN., Odoms-Young A., Ruggiero L and **Moise IK.** (2010). "Availability of commonly consumed and culturally specific fruits and vegetables in African American and Latino neighborhoods." *Journal of the Academy of Nutrition and Dietetics*; 110(5): 746-752. DOI: <https://doi.org/10.1016/j.jada.2010.02.008>. 2018 IF 4.41
- [32] ©**Moise IK** and McDowell P. (2010). "The great flood of 1997: An examination of landowner perceptions in the Applegate Valley." *McNair Research Journal*. <https://mcnair.uoregon.edu/journal/>. (IF N/A)

### Journal Articles - Under Review (Refereed)

- [1] Sallam M., Ahmed T., Sylvain-Lear C., Riegel C and **Moise IK.** "Discarded Vehicle Tires as foci for urban *Aedes albopictus* and *Culex quinquefasciatus* in Post-Katrina New Orleans, Louisiana: A Geographic Analysis."
- [2] **Moise IK.** "Is violent crime decreasing with COVID-19? A cluster analysis of violent crime in Miami-Dade County, Florida." *AJPM*.
- [3] Wilson SA, Wilson OC and **Moise IK.** "Livelihood impacts of iron ore mining-induced land change in Sierra Leone: A time series analysis." *Applied Geography*.
- [4] **Moise IK,** \*Whittingham LR, \*Hoffman C, Hikabasa H, Owolabi K and Grigsby-Toussaint DS. "Social Determinants of Health, Healthcare burden, and COVID-19 risk in Africa." *Public Health*
- [5] **Moise IK,** \*Whittingham LR; Clark M, Omachonu V and Xue R. "Mosquito Control Capabilities in Florida During COVID-19." *BMC Public Health*

### Other Works, Publications and Abstracts:

#### Professional Practice Reports/Guides/Manuals

- [1] **Moise IK.** "The Lingering Effect of Natural Disasters on Drug and Alcohol Use." Article Prepared for the Substance Abuse and Mental Health Services Administration (SAMHSA) Disaster Technical Assistance Center (DTAC) The Dialogue, 2019, 15(3-4):15-17. Accessible at: <https://www.samhsa.gov/sites/default/files/dtac/dialogue-vol-15-issue-3-4.pdf>.
- [2] **Moise IK.** "Using geographic thinking to understand a wide range of social determinants of health and identification of at-risk groups in affected communities." Blog Post Prepared for the American Evaluation Association AEA365 MSI Fellowship Week: A Tip-a-Day by and for Evaluators, January 20, 2017. Accessible at: <http://aea365.org/blog/msi-fellowship-week-using-geographic-thinking-to-understand-a-wide-range-of-sdoh-and-identification-of-at-risk-groups-in-affected-communities-by-imelda-k-moise/>.
- [3] Albert Nsonga and **Moise IK.** "A manual for integrated fish-crops-livestock and forestry innovation systems in Northern Zambia." Manual Prepared for CIFOR, Irish Aid, HarvestPlus and WorldFish, 2016. Accessible at: <http://aquaticcommons.org/20959/1/2016-15.pdf>.
- [4] **Moise IK** and Sen Roy Shouraseni. "Warming and increased rainfall are changing malaria hotspots in the highlands of Burundi." Article Prepared for Atlas of Science, October 2, 2016. Accessible at: <http://atlasofscience.org/warming-and-increased-rainfall-are-changing-malaria-hotspots-in-the-highlands-of-burundi/#more-16251>.

- [5] **Moise IK**, Cunningham M and Inglis A. "Geospatial analysis in global health monitoring and evaluation: A process guide to monitoring and evaluation for informed decision-making." A Guidance Document Prepared for USAID funded MEASURE EVALUATION, **2015**). Accessible at: <http://www.cpc.unc.edu/measure/publications/ms-14-98>.
- [6] **Moise IK**, Zulu L, Shortridge A and Kalipeni E. "Spatio-statistical aggregate method: regression at an aggregated scale (administrative unit)." Models Developed for the Technical Consultation on Methods for Generating Sub-National Estimates of HIV Epidemiology to Support Country Programme Planning and Evaluation, UNAIDS Reference Group of Estimates, Modelling and Projections and UNAIDS Hotspot Taskforce, **2014**. Accessible at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4867979/#R20>.
- [7] **Moise IK**, Kalipeni E and Ghosh J. "A third world perspective on GIS applications in health: The case of Zambia's HIV/AIDS surveillance data." Cover Page Prepared for the Computer Science of India Communications Knowledge Digest for IT community, **2012**. Accessible at: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.362.3143&rep=rep1&type=pdf>.

### Conference Abstracts

- [1] Rojas D., de Melo AF., **Moise IK.**, Saavedra J and Szapocznik J. "A Population-level analysis of the association of social determinants of health to HIV viral load suppression in a major metropolitan area in the south." *The Society for Prevention Research 28th Annual Meeting*, May 26–29, 2020, Washington, DC, USA.
- [2] **Moise IK.** "Making meaning of models: How spatial views of vectors and diseases inform public health." Annual Meeting of the *Urban and Regional Information Systems Association (URISA) GIS-Pro & CalGIS*, October 9-2, 2018, Palm Springs, California, USA.
- [3] **Moise IK** and \*de Joya E. "Assessing alcohol use, sleep, and anxiety during pregnancy among women attending antenatal care in Zambia: A pilot study." *Annual Meeting of the American Association of Geographers (AAG)*, April 10-4, 2018, New Orleans, Louisiana, USA.
- [4] **Moise IK** and Riegel C. "Household survey of mosquito larval production containers: A pilot study of an integrated mosquito control program in Monte Verde, Honduras." *AAG Annual Meeting*, April 10-14, 2018, New Orleans, Louisiana, USA.
- [5] #Swift S., **Moise IK** and Fuller DO. "Unnecessary caesarian section births, mother's origin and other maternal characteristics: Florida, 2005-2015." *Annual meeting of the Council of State and Territorial Epidemiologists (CSTE)*, June 10-14, 2018, West Palm Beach, Florida, USA.
- [6] **Moise IK.**, Juan Delacruz., Nicole Henly and Naomi Hall-Byers. "Exploring the intersection between social determinants of health and culturally responsive evaluation." *Annual Meeting of the American Evaluation Association*, November 6-11, 2017, Washington, DC, USA.
- [7] Mortensen K., Hu T and **Moise IK.** "Assessing network adequacy in mandatory Medicaid managed care in Florida." *Annual Meeting of the 12th World Congress of the International Health Economics Association*, July 7-11, 2018, Boston University, Massachusetts, USA.
- [8] **Moise IK.** "Geographical analysis of neighborhood domestic violence offenses on birth outcomes among Medicaid women in Miami-Dade County." *AAG Annual Meeting*, April 5-9, 2017, Boston, Massachusetts, USA.
- [9] \*Franco S and **Moise IK.** "Mapping intra-district malaria risk using high resolution Landsat satellite imagery: a case study of post conflict Burundi." *AAG Annual Meeting*, April 5-9, 2017, Boston, Massachusetts, USA.
- [10] \*de Joya E and **Moise IK.** "A geographic analysis of adolescent alcohol-related trauma hospitalizations and neighborhood correlates, Cook County, Illinois, 2010-2015." *AAG Annual Meeting*, April 5-9, 2017, Boston, Massachusetts, USA.
- [11] #Hutchings TCSG., **Moise IK.**, Sheskin I and Fuller DO. Poster. "Assessing Zika-related knowledge, attitudes, and practices (KAP) among Miami-Dade residents." *AAG Annual Meeting*, April 5-9, 2017, Boston, Massachusetts, USA.

- [12] \*Verity J., Sen Roy S and **Moise IK**. “Neighborhood factors associated with low-risk cesarean births in Miami Dade County, Florida, 2009-2014” *AAG Annual Meeting*, April 5-9, 2017, Boston, Massachusetts, USA.
- [13] Romero HBM., O’Leary B., **Moise IK** and Horan W. “Establishment of an integrated mosquito control program in Monte Verde, Honduras.” Poster. *Congress of the 7th International Society for Vector Ecology Congress*, October 1-7, 2017, Palma of Mallorca, Balearic Islands, Spain.
- [14] **Moise IK., Kalipeni E.,** Grigsby-Toussaint S. “Progress towards combating the HIV/AIDS pandemic in Africa.” *Annual Conference of the Race, Ethnicity & Place VIII*, September 21-23, 2016, Kent State University, Kent, Ohio, USA.
- [15] Kalipeni E, **Moise IK.,** Zulu LC., Sanogo YO., Muturi EJ and Iwelunmor J. “Examining the impact of environmental change on vector borne diseases in Southern Malawi: The case of Malaria in the Blantyre Fuelwood Project Area.” *Congress of the 14th IFEH World Environmental Health*, May 3-6, 2016, Lilongwe, Malawi, Africa.
- [16] **Moise IK.** “A retrospective study examining the geographic variation in availability of youth-friendly contraceptive services in post-conflict Burundi.” *Epidemiology Congress of the Americas*, June 21-24, 2016, Miami, Florida, USA.
- [17] **Moise IK.** “Spatial Dimensions and impact of rural-urban migration on nutritional status and low birth weight in Benue State, Nigeria.” *Annual Meeting AAG*, March 29-April 2, 2016, San Francisco, California, USA.
- [18] ©**Moise IK.,** Bisore S., Rwantabagu JP., Munezero F., Hassan A., Gashubije L., Nkindiyabarimakurinda S and Moussa L. “A Partner mapping exercise to inform aid coordination and management for health system strengthening in Burundi.” *Health in Africa Post MDGs Symposium*, May 22-29, 2015, University of Illinois at Urbana-Champaign, Illinois, USA.
- [19] ©Kalipeni E., **Moise IK.,** Zulu LC and Shortridge A. “Generating district level estimates of HIV prevalence using GIS: A comparative analysis of ANC data and DHS data for Malawi, 1994-2010.” *Spatial Conference*, November 19-20, 2014. University of Witwatersrand, Johannesburg, South Africa, Africa.
- [20] ©Aronovich D., **Moise IK.,** Hatch B., Inglis A., Cunningham M., Block A. “Near-real-time tracking of health outcomes using logistics management information systems.” *The 7th Global Health Supply Chain Summit (GHSCS)*, November 17-19, 2014, Copenhagen, Denmark, Scandinavian.
- [21] ©**Moise IK** and Mulhall P. “Geographic accessibility to prenatal care, need and utilization among low income mothers in Chicago, Illinois.” *Illinois GIS Association Spring Conference*, April 17-18, 2013, University of Illinois at Urbana-Champaign, Illinois, USA.

## **PROFESSIONAL ACTIVITIES**

### **Funded Research Performed (past 5 years):**

#### **Funded Grants**

**Summary:** Funding received from the Robert Wood Johnson Foundation (RWJF), Principal Investigator (PI); Centers for Disease Control and Prevention (CDC)-co-PI; and National Geographic (co-PI)

- |           |   |
|-----------|---|
| 2020-2025 | Co-PI, “A Community-based Rodent Surveillance Collaborative for Greater Public Health, ( <b>\$40,000 year 1, \$650,000 next 4 years</b> ), CDC (1 NUE1EH001421-01-00), with Claudia Riegel (PI), and Other Co-PIs: Janet Hurley, Robert Corrigan and Gary Balsamo. Effort: 10.0% per year.                  |
| 2020-2023 | Co-PI, “Neighborhood Greenness and Cardiometabolic Health among Hispanics in the HCHS/SOL Study” ( <b>\$2,271,447</b> ), National Institute of Health (NIH), with Scott Brown (PI) and Other Co-PIs: Jose Szapocznik, Joanna Lombard, Tatjana Rundek, Ralph Sacco and Chuanhui Dong. Effort: 5.0% per year. |

- 2016-2021 Co-PI, "Southeastern Center of Excellence in Vector Borne Diseases: The Gateway Program" (**\$1,535,000**), CDC (U01CK000510-01), with John C. Beier (PI): University of Florida (Prime). Effort: 5.0% per year (**\$307,400\*5** years).
- 2020-2021 Co-PI, "Racism in America: Conversations Beyond Black and White" (**\$100,000**), ULINK Interdisciplinary Research Award, with Sanjeev Chatterjee (PI), and other Co-PIs: John Beier, Jaswinder Bolina, Sumita Chatterjee and José Szapocznik. Effort: 10%.
- 2020-2021 Co-PI, "Early Childhood System Integration to Promote Community Resilience and Equity for Children of Color" (**\$100,000**), ULINK Interdisciplinary Research Award, with Rebecca Shearer (PI), and other Co-PIs: Robin Bachin, Scott Brown, Kathryn McCollister and Jeffrey Brosco Effort: 10%.
- 2019-2020 PI, "Cultural Adaptation of Screening and Brief Intervention for Risk Drinking During Pregnancy in Prenatal Care in Zambia: A Pilot Randomized Trial" (**\$17,000**), Provost Office University of Miami.
- 2019 Co-PI, "Leveraging Untapped Opportunities in Place and Time: A Community-Based Child Well-Being Collaborative to Address Early Learning Gaps" (**\$40,000**), ULINK Interdisciplinary Research Award, with Rebecca B. Shearer (PI), and other Co-PIs: Robin F. Bachin, Scott C. Brown, Kathryn E. McCollister and Jeffrey Brosco. Effort: 10% (Phase I).
- 2018-2019 Co-PI, "Land Use, Microclimate & Water Quality Nexus: Implications for Human Health in The Rokel-Seli River Basin, Sierra Leone" (**\$30,000**), National Geographic (NGS-53897R-18), with Wilson Cyril (PI) and other Co-PIs: Solomon Gbanie, Sigismund Wilson, and Akiwumi Fenda. Effort: 10% per year.
- 2017-2018 PI, "Examining Individual Predictors Alcohol-Related Trauma Hospitalizations of Young People and the Impact of Local Liquor-Related Ordinances" (**\$50,000**), RWJF (Grant ID: 74738, New Connections Cohort 11). Effort: 25%.
- 2017-2018 PI, "Adolescent Views of and Preferences for Contraceptive Use and Uptake" (**\$16,980**), Provost Research Grant, University of Miami.
- 2016-2017 PI, "Factors Influencing Early Childhood Eating Behaviors and Weight in Low-Income Children Ages 0-5 in Miami-Dade County" (**\$14,700**), Provost Research Grant, University of Miami.

### Editorial Responsibilities:

#### Editorial Activities

- 2017-present Academic Editor, PLOS ONE
- 2019-2020 Handling Editor, PLOS ONE and PLOS Medicine (Health Disparities Research) (guest editors: Clare Bamba -Newcastle University, Hans Bosma - Maastricht University, Diana Burgess - Department of Veterans Affairs, Hope Landrine East - Carolina University, Joseph Telfair Georgia - Southern University, and Barbara Turner - University of Southern California).
- 2019 Handling Editor, PLOS ONE and PLOS Medicine (Maternal and Child Nutrition) (guest editors: Barbara Abrams - University of California Berkeley, Shane Norris - University of the Witwatersrand, and Jyu Lin Chen - University of California San Francisco).

#### Refereeing Activities - Grant Proposals and Fellowships

- 2017-2019 Florida Mosquito Control Association Fellowship for professionals (Dodd Short Courses for the CDC Southeastern Center of Excellence in Vector Borne Diseases)
- 2017-2019 Reviewer for the NSF Geography and Spatial Sciences Program Doctoral Dissertation Research Improvement Awards (GSS-DDRI)



2018	CDC Harvard Program Evaluation Practicum for Florida, Maternal and Child Health Section Bureau of Family Health Services, Division of Community Health Promotion, Florida Department of Health
2017	Reviewer for the NSF Geography and Spatial Sciences Program
2016-2017	Reviewer for the American Evaluation Association Minority Serving Institution (MSI) Fellowship.
2016-2017	Member, Minority Serving Institution Fellow, American Evaluation Association Review Committee
2016	Reviewer for the AAG Jacques May Thesis and Dissertation Award
2016	Reviewer for the University of Miami Provost Awards for Social Science

### Refereeing Activities - External Theses and Conference Abstracts

Jun 2017	External Reviewer for a thesis submitted to the School of Public Health, University of Gonder, Ethiopia in partial fulfillment of the requirements for the degree of master's in reproductive health. JSciMed Central-Annals of Nursing and Practice.
Oct 2016	Reviewer for abstracts and posters submitted to the National Healthy Start Association Conference
2011	®Reviewer for abstracts submitted to the Journal of the International AIDS Society Conference.

### Refereeing Activities - Journals

- *International Journal of Women's Health.*
- *Insect Science.*
- *ISPRS International Journal of Geo-Information.*
- *Health and Place.*
- *Parasites & Vectors.*
- *Travel Behavior and Society.*
- *Canadian Journal of Infectious Diseases and Medical Microbiology.*
- *Acta Tropica.*
- *Entomologia Generalis.*
- *International Journal of Adolescent Medicine and Health.*
- *Preventing Chronic Disease.*
- *International Journal of Environmental Health Research.*
- *PLOS ONE.*
- *Social Science and Medicine.*
- *Scientific Reports.*
- *Climate Change.*
- *International Journal of Health Policy and Management (IJHPM).*
- *Journal of Nursing Management.*
- *Children.*
- ®*Journal of Substance Use and Misuse.*
- *International Journal of Environmental Research and Public Health (IJERPH).*
- ®*African Geographical Review.*

## Professional and Honorary Organizations:

### Professional Affiliations

2017-present	Member, Louisiana Mosquito Control Association
2017-2019	Member, American Evaluation Association (AEA)
2017-present	Member, Association for Global Health
2017-present	Member, Association for Urban and Regional Information Systems (URISA)
2015-present	Member, Association of American Geographers (AAG)
2018	Member Bylaws Committee, Africa Specialty Group AAG
2012-2014	®Member, Illinois GIS Association
2005-2010	®Member, Community Coalition for Environmental Justice

### Technical Advisory Boards/Workgroups

2018-present	Vector Control and Surveillance Advisory Workgroup, National Association of County and City Health Officials (NACCHO)
2019- present	Member, LTKINGS Outreach Program Board, Zambia
2020- present	Member, Organizations of Zambians Abroad Board
2018-2019	Member, Master of Public Health Advisory Committee, University of Illinois Springfield
2018	The Urban and Regional Information Systems Association (URISA) Professional Education Committee Social Justice Workgroup
2018	Associate Editor Search Committee, African Geographical Review
2017	Electoral Committee, (African Specialty Group), AAG
2016	Member, URISA, 2016 GIS and Public health Symposium Organizing Committee
2014	Expert, UNAIDS Reference Group of Estimates, Modelling and Projections/Hotspot Taskforce on technical consultation on methods for generating sub-national estimates of HIV epidemiology.

### Honors and Awards:

2020	University of Miami Graduate School 2020 Faculty Mentor Award nomination
2019-2022	U.S. Fulbright Specialist, U.S. Department of State Bureau of Educational and Cultural Affairs
2019-2020	James W. McLamore Social Science Award, University of Miami, Florida.
2018	Scholarly and Creative Activities Recognition Award, College of Arts and Sciences at my institution.
2019	Mwape Peer Award Excellence in Community Research, Mayor's Office, Yonkers, New York.
2018-2019	Excellence in Civic Engagement Award, University of Miami, Florida
2017-2018	Certificate of Excellence, Scholarship and Creative Activities, Dean, College of Arts and Sciences, University of Miami.
2017-2018	Robert Wood Johnson Foundation (RWJF) New Connections Grantee Award.
Lifetime	Gamma Theta Upsilon Honor Society in Geography.

- 2017 Summer Writing Institute Fellowship, University of Miami, Florida.
- 2016-2017 Minority Serving Institution Fellow, American Evaluation Association
- 2011 ®Honorary Mention List, Ford Diversity Fellowship
- 2014 ®Best Paper Award, Journal of Map and Geography Libraries
- 2010 ®Best Poster Award, Illinois GIS Annual Spring Conference
- 2010 ®ESRI-GIS Development Center Scholarship
- 2009-2010 ®George Beatty Fellowship, University of Illinois at Urbana-Champaign (UIUC)
- 2009-2010 ®Foreign Language and Area Studies Fellowship, UIUC
- 2007 ®Earth and Society Initiative (Disease Emergence and Ecosystem Health) Fellowship, UIUC
- 2005-2006 ®Graduate College Fellowship, UIUC
- 2005 ®Undergraduate Honors, University of Oregon
- 2004-2005 ®Undergraduate Research Award for Commitment to Research, University of Oregon
- 2003-2005 ®McNair Scholar, University of Oregon
- 2003-2005 ®Academic Achievement and Leadership Diversity Building Scholarship, University of Oregon
- 2002 ®Lane Community College Diversity Scholarship

### Consulting

- Summer 2016 World Fish, Northern Province, Zambia, Africa: Wrote a “Manual for Improving Fish Production, summer 2016.
- Summer 2018 Nigeria Federal Ministry of Health Maternal and Child Survival Program: Evaluated GIS work related to routine immunization microplanning, summer 2018.

### Other Professional Activities:

#### Invited Lectures / Panels / Speaking Engagements

- [1] Invited Speaker, Office of Development and Alumni Relations, Black History Month Celebration. February 20, 2020, University of Miami, FL, USA.
- [2] Panel Moderator, Office of Civic and Community Engagement (film screening, “The Last Black Man in San Francisco).” November 12, 2019, University of Miami, Coral Gables, FL, USA.
- [3] Panelist, The panel on the “Effects of Climate Change on Health.” February 19, 2019, Climate Reality Project (CRP) and American Medical Student Association, University of Miami, FL, USA.
- [4] Panel Speaker, Office of Civic and Community Engagement, February 11, 2019, University of Miami, FL, USA.
- [5] Invited Speaker, Organization of Zambians Abroad, February 18, 2019, University of Miami, Coral Gables, FL, USA.
- [6] Panel Speaker, The 13<sup>th</sup> Annual ASPA South Florida Best Practices Conference, February 8, 2019, Nova Southeastern University, Davie, FL, USA.
- [7] Invited Key Member, NACCHO 2019 Vector Summit, April 16 - 18, 2019, in Pittsburgh, PA, USA.
- [8] Invited Speaker, The 15<sup>th</sup> arbovirus surveillance and mosquito control workshop; with the NE1443 Regional Project’s 4<sup>th</sup> annual meeting and the FMCA’S NE Regional Meeting, March 19-22, 2018, St. Augustine, FL, USA.
- [9] Invited Speaker, College of Engineering HuRRI Seminar, University of Miami, April 30, 2018, University of Miami, Coral Gables, FL, USA.

- [10] Invited Speaker, City of New Orleans & the Greater New Orleans Pest Control Association Pest Control Academy, October 9-11, 2018, New Orleans, LA, USA.
- [11] Invited speaker, CDC Southeastern Regional Center of Excellence in Vector Borne Diseases: Gateway Program, Emerging Pathogens Institute, November 28-30, 2018, University of Florida, and Gainesville, FL, USA.
- [12] Invited Speaker, The Louisiana Mosquito Control Association (LMCA) 60th Annual Meeting, December 2017, Covington, LA, USA.
- [13] Invited Lecture, Miller School of Medicine Grand Rounds, February 10, 2017, University of Miami, FL, USA.
- [14] ®Invited Speaker, American University, July 24, 2014, Washington, DC, USA.
- [15] ®Invited Expert and Presenter, UNIADS HIV Modelling Consortium, Technical Consultation on Methods for Generating Sub-National Estimates of HIV Epidemiology, March 24 to 25, 2014, Nairobi, Kenya, USA.
- [16] ®Plenary Speaker, Population Division of the U.S. Census Bureau, January 2007, Suitland, MD, USA.

### **Organizing Conferences and Professional Workshops**

- [17] Moderator, West Nile virus, July 8-9, 2020, virtual workshop
- [18] Facilitator, GIS-Pro & CalGIS 2018, October 9, 2018, Palm Springs, CA, USA
- [19] Symposium Organizing Committee Member, Urban and Regional Information Systems Association (URISA), GIS and Health Symposium, June 1-3, 2016, Washington, DC, USA
- [20] ®Organizing Committee Member/Facilitator, Champaign County Public Health, Pre-service GIS Training for Public Health Professionals, July 13, 2011, Champaign, IL
- [21] ®Organizing Committee Member/Facilitator, Department of Community Health, Undergraduate GIS and Public Health Workshop, University of Illinois, 2009-2010, Champaign, IL, USA
- [22] ®Organizing Committee Member, Coalition for Environmental Racism 9th Conference, University of Oregon, January 23-25, 2004, Eugene, OR, USA

## **TEACHING AND ADVISING**

### **Teaching Specialization:**

#### **Teaching Assignments & Responsibilities**

- GEG 101: Digital Earth* (a requirement for undergraduate degree in geography)
- GEG 306: Geographic Research Methods* (a requirement for undergraduate degree in geography)
- GEG 335: Sustainable Food Systems (Undergraduate elective)* – NOTE class meeting time changed in 2019.
- GEG 346: Immigrant & Refugee Health* (Undergraduate elective)
- GEG 412: GIS for Health & Environment* (Undergraduate elective; also meets public health majors' elective requirements)
- GEG 501: Capstone* (a requirement for undergraduate degree in geography)
- GEG 603: Advanced Research Design in Geography* (a requirement for graduate degree in geography)
- GEG 625 P1: Advanced Research Design in Geography*
- GEG 625 Q: Advanced Research Design in Geography*

## Thesis and Dissertation Advising/Post-doctoral Student Supervision:

### Graduate Students Supervision/Committees

#### Program of Study (POS) Committees

Name of Student	Degree	Thesis or Creative Component Title	Graduation
<b>As Committee Chair</b>			
Deva Renee C Taylor	Ph. D (Ecosystem Science & Policy)	TBD	In progress
Benjamin Ghansah	Ph. D (Ecosystem Science & Policy)	Analysis of the impacts of climate change and climate extremities on Tropical African Closed-Basins: Case Study of Lake Bosumtwi Basin, Ghana	Discontinued, went back to the University of Ghana
Qian Huang	Master of Arts in Geography	Examining mosquito abundance, composition, and distribution before and after Hurricane Irma in Miami-Dade County, Florida.	Spring, 2019
Tricia Caroline G Hutchings	Master of Arts in Geography	Miami-Dade residents' Zika-related knowledge, attitudes, and practices during the 2016 Zika Outbreak.	Spring, 2017
<b>As Committee Member</b>			
Leighton A Shervington	Master of Arts in Geography	Exploring the relationship between media exposure on water and sanitation behavior using Ghanaian DHS 2014.	Discontinued program
Julius R Dewald	Ph. D (Ecosystem Science & Policy)	Evaluating stakeholder perceptions and values towards wildlife conservation, Luangwa Valley, Eastern Zambia.	In progress
Zabin S Patel	Ph. D (Psychology)	The treatment ecology: Individual, family, and neighborhood effects on depression and anxiety treatment in youth	In progress
Olivia P Ramirez	Ph. D (Biology)	Rapid hurricane and anthropogenic impact assessments in the northcentral coastal zone of Cuba	In progress
Zara Masood	Ph. D (Communications)	Implementing sustainable climate change induced health interventions in South Asia	In progress
Rhoda Moise	Ph. D (Prevention Science & Community Health)	Cervical cancer prevention and control among Haitian women in the U.S. and abroad.	Spring, 2019
Jill N Ulrich	Ph. D (Ecosystem Science & Policy)	Ecological and policy studies to forecast the future of mosquito-borne disease control.	Fall, 2016

## **SERVICE**

### **University Committee and Administrative Responsibilities:**

#### **University**

2020 - present	Senator, Department of Geography and Regional Studies representative to the Faculty Senate, University of Miami.
2020 - present	Faculty Advisor, African Students' Union dance team, University of Miami
2018 - present	Faculty Advisor, African Students Union, University of Miami
2017 - present	Faculty Advisor, Plant-based Canes Student Organization, University of Miami
2017- present	Faculty Advisor, United Against Infectious Diseases (UAID), University of Miami
2016	Poster Reviewer, Office of Undergraduate Research and Community Outreach (Undergraduate Research, Creativity and Innovation Forum)
2016	Proposal Reviewer, Provost Research Social Science Awards, University of Miami
2004	®Member, "Save Energy on Campus Campaign," University of Oregon
2008 (spring)	®Swahili Tutor, Office of Student Minority Affairs, University of Illinois at Urbana-Champaign
2005-2006	®Peace Corps Campus Representative, University of Illinois at Urbana-Champaign

#### **College of Arts and Sciences**

2018-present	Member, Global Health Advisory Board, College of Arts and Sciences, University of Miami
2017-2018	®Member, Website Advisory Committee, College of Arts and Sciences, University of Miami
2007-2008	®Graduate Counselor, Grainger College of Engineering, University of Illinois at Urbana-Champaign

#### **Departmental**

2006-2007	®Treasurer, Geography Graduate Students Association, University of Illinois at Urbana-Champaign.
2019-present	Director of Undergraduate Studies (DUS) / Advisor, University of Miami.
2017-2019	Director of Graduate Studies (DGS), University of Miami.
2018	Author, Master of Professional Science in Urban Sustainability & Resilience Program Proposal, a joint program with the School of Architecture, University of Miami
Fall 2016	Director, Social Media, University of Miami.
2006-2007	®Treasurer, Geography Graduate Students Association, University of Illinois at Urbana-Champaign

### **Community Activities:**

2020 - present	Zambia Diaspora Medical Group
2019-present	Zambians in Florida Association
2019 - present	Early Learning Committee- Northeast Corridor-TFC
2015 - present	Healthy Start Coalition of Miami-Dade
2015 - present	Miami-Dade Area Refugee Task Force
2017 - 2019	MetroLab Fight the Bite, Mayor's Office Initiative, Miami
2003 - 2015	®Community Coalition for Environmental Justice