

GONZALO M. VAZQUEZ-PROKOPEC

Department of Environmental Sciences - Emory University
400 Dowman Drive - Atlanta, GA, 30322, USA
Phone: (404) 727-4217 - Fax: (404) 727- 4448
Email: gmvazqu@emory.edu
URL: <http://www.prokopeclab.org>

Personal Information

Complete name: Gonzalo Martín Vazquez-Prokopec
Country of birth: Argentina
Country of citizenship: Argentina
Country of residence: United States (permanent resident)

Education

Ph.D. **University of Buenos Aires**, School of Exact and Natural Sciences, Buenos Aires, Argentina. April 2004 – December 2007.
Ph.D in Biological Sciences (Ecology). Grade: Outstanding.
Dissertation title: “Effects of Vector Control Actions Against *Triatoma infestans* Infestation at Multiple Spatial and Temporal Scales in Rural Northwestern Argentina”

M.Sc. **University of Buenos Aires**, School of Exact and Natural Sciences, Buenos Aires, Argentina. March 1996 – August 2003.
Masters in Biological Sciences (Ecology).
Thesis title: “Active Dispersal of *Triatoma infestans* in Two Rural Communities of Northwestern Argentina”.

Work Experience

Current Appointments

2012-present Assistant Professor. Department of Environmental Sciences, Emory University. Faculty Distinction Fund Hire through Emory Global Health Institute.

2015-2017 President. American Committee of Medical Entomology, American Society of Tropical Medicine and Hygiene.

2015-present Joint Faculty. Department of Epidemiology, Rollins School of Public Health. Emory University.

2012-present Joint Faculty. Department of Environmental Health, Rollins School of Public Health. Emory University.

2012-present Member. Program in Population Biology, Ecology and Evolution. Laney Graduate School. Emory University.

2010-present Guest Researcher. Centers for Disease Control and Prevention (CDC), Division of Parasitic Diseases, Entomology Branch, Atlanta, GA.

2010-present Member. Research and Policy for Infectious Diseases Dynamics, Fogarty International Center, National Institutes of Health, Bethesda, MD.

Past Appointments

- 2011-2012** **Director of Research Projects.** Department of Environmental Studies, Emory University.
- 2009-2012** **Adjunct Faculty.** Department of Environmental Health. Rollins School of Public Health, Emory University.
- 2008-2011** **Postdoctoral Research Associate,** Department of Environmental Studies, Emory University.

Participation in Research

Current and past support (year indicates date of award):

- 2016** **Principal Investigator** for the project “Enhanced entomological surveillance of *Aedes aegypti* in the context of dengue, chikungunya and zika transmission”. Funder: Centers for Disease Control and Prevention (CDC: OADS BAA 2016-N-17844). Total Award: \$494,681. 2016-2018.
- Principal Investigator** for the project “Rapid Indoor Residual Spraying To Control Urban *Aedes aegypti* Mosquitoes”. Funder: Centers for Disease Control and Prevention (CDC: OADS BAA 2016-N-17844). Total Award: \$299,755. 2016-2017.
- Co-Investigator** for the project “Zika: A fast new intervention and an innovative method of evaluation”. Funder (USAID:AID-OAA-F-16-00094, Gregor Devine, QIMR, Australia, PI). Total Award: \$731,381 (Emory sub-award: \$94,168). 2017-2019.
- Principal Investigator** for the project “RAPID: Harnessing spatial heterogeneity to contain Zika virus transmission”. Funder: National Science Foundation, Ecology and Evolution of Infectious Diseases program (NSF/EEID: 1640698). Total Award: \$196,921. 2016-2017.
- Principal Investigator** for the project "Urban Ecology of West Nile Virus in Atlanta, GA". Funder: Emory University Research Council grant. 2016-2017. Total Award: \$29,992. 2016-2017.
- Principal Investigator** for the project "Migration-selection balance in the evolution of insecticide resistance in *Aedes aegypti*". National Science Foundation (NSF) Evolutionary Ecology Program, Doctoral Dissertation Improvement Grant to support research of Marissa Grossman (PBEE, Emory). 2016-2018. Total award: \$16,367.
- 2015** **Principal Investigator** for the project ““Indoor Residual Spraying to Support Integrated Dengue Management”. Funder: Marcus Foundation for the program Combating Childhood Illness Seed Grants. Total award: \$47,200. 2015-2016.
- Principal Investigator** for the project “Sustainable Alternatives to DDT in the Middle East and North African Countries”. Funder: World Health Organization, Middle East and North African countries. Total award: \$10,000. 2015-2016.
- 2014** **Co-Principal Investigator** for the Project “Quantifying Heterogeneities in Dengue Virus Transmission Dynamics”. Funder: NIH/NIAID via the P01 program

- (P01AI098670. TW Scott - UC Davis, Project Leader). Total award: \$7,319,879 (Emory sub-award: \$1,290,000). 2014-2019
- 2013** **Core Member** for the Research Collaboration Network (RCN) on “Macro-ecology of Infectious Disease”. Funder: NIH/NSF/FIC (EEID) 1316223. 2013-2018. Total award: \$601,400 (no sub-award). 2013-2018.
http://disease_macroecology.ecology.uga.edu/
- 2012** **Start-up funds.** Emory University College of Arts and Sciences.
Emory Global Health Faculty Distinction Award. \$102,363
- 2013** **Co-Investigator** for the project “Red Epidemiologica de Enfermedades Zoonoticas y Transmitidas por Vector de importancia en Salud Publica” Funder: Subsecretaria de Educacion Superior (Mexico). PI: Juan Felipe de Jesus Torres Acosta. Total Award: \$180,000 (Emory: \$12,500, no sub-award, to cover the cost of a workshop on Spatial Analysis to be held in Merida, Yucatan). 2013-2014
Co-Investigator for the project “Baseline Assessment of WASH, Infectious Disease Surveillance, and Sustainable Development in the Bisate Catchment Area, Rwanda”. Funder: Global Health Institute multidisciplinary team Scholars grant (Emory University). Total award: \$25,000 covering fieldwork activities in Bisate, Rwanda, for 5 Emory students (PI: Christine Moe). Summer 2013.
- 2011** **Principal Investigator** for the project “Quantifying the Contribution of Public Spaces to the Risk of Exposure to the Dengue Vector, *Ae. aegypti*, in the City of Iquitos, Peru”. Funder: Global Health Institute multidisciplinary team Scholars grant (Emory University). Total award: \$9,000 covering fieldwork activities in Iquitos, Peru, for 3 Emory students.
- 2009-2011** **Co-investigator** for the project “Epidemiology of a Newly Recognized Threat to Chimpanzee Health in Gombe National Park, Tanzania”. Funder: Morris Animal Foundation. PI: Dr. Thomas Gillespie (Emory University). Total award: \$122,540.
- 2008-2012** **Co-investigator** for the project “Measuring Entomological Risk for Dengue”. Funder: NIH/NIAID R01 AI069341-01. PI: Dr. Thomas W Scott (UC-Davis), co-PI: Uriel Kitron (Emory University). Total award: \$2,249,318.
- 2008-2009** **Co-Investigator** for the project “Spatial Analysis of Dengue Virus Epidemics in Cairns, North Queensland”. Funder: James Cook University. Total Award: \$5000 to cover travel to Cairns to perform spatial analysis on dengue data from Cairns.
- 2004- 2008** **Co-investigator** of the Project “Population Structure and Risk Maps of *Triatoma infestans*, the Main Vector of Chagas’ disease”. Funder: National Agency of Scientific and Technologic Promotion of Argentina (PICT 2001-2002). PI: Dr. Ricardo E. Gürtler (University of Buenos Aires, UBA). Total award: \$100,000.
- 2005-2008** **Co-investigator** of the project "Risk Maps and Control of *Triatoma infestans*, the Main Vector of Chagas disease in Rural Communities of Northwestern Argentina”. Funder: University of Buenos Aires (UBACyT – X301). PI: Dr. Ricardo E. Gürtler (UBA). Total award: \$25,000.
- 2004-2006** **Co-investigator** of the Project "Cost-Effective Surveillance and Control Strategies for the Sustained Elimination of *Triatoma infestans* in Rural Areas". Funder: Bunge and Born Foundation. PI: Dra. M. Carla Cecere (UBA). Total award: \$10,000.

- 2002-2007** **Co-investigator** of the project “Eco-Epidemiology of Chagas Disease in rural Northern Argentina”. Funder: NIH/NSF/EID R01 TW05836. PI: Dr. Uriel Kitron (UIUC), co-PI: Dr. Ricardo E. Gürtler (UBA). Total award: \$2,000,000.
- 2002-2005** **Co-investigator** of the Project “A Geographic Information System for the control and surveillance of *Triatoma infestans* and the Vectorial Transmission of Chagas Disease in Rural Areas of Northwestern Argentina”. Funder: National Agency of Scientific and Technologic Promotion of Argentina (PICT 2001-2002). PI: Dr. Ricardo E. Gürtler (UBA). Total award: \$10,000.
- 2001-2002** **Co-investigator** of the Project "Spatial and Temporal Analysis of Reinfestation by *Triatoma infestans* and Molecular Characterization of *Trypanosoma cruzi* to Control the Transmission of Chagas disease in Rural Communities of Northwestern Argentina”. Funder: University of Buenos Aires (UBACyT-X078). PI: Dr. Ricardo E. Gürtler (UBA). Total award: \$10,000.
- 1999-2000** **Field technician** for the Project "Peridomestic Sensing Device for *Triatoma infestans*". Funder: World Health Organization: TDR WHO/PNUD/WB. PI: Dr. Ricardo E. Gürtler (UBA). Total award: \$30,000.

Consultancies

- 2013-2015** **Research Triangle Institute (RTI)**. Master contract#13034. Scope of work: Analyze data on insecticide resistance in *Anopheles gambiae* mosquitoes throughout Africa. Project Manager: Dr. Richard Reithinger. Vice President, Global Health, RTI.

Teaching Experience

Current courses

- Instructor. **“Urban Ecology and Development”**. ENVS459 (Spring semester, 2014-present)
- Instructor. **“Research Design and Methods in Environmental Studies”**. ENVS460 (Fall semester, 2013-present)
- Instructor. **“Spatial Analysis in Disease Ecology”**. ENVS483 – EOH 583. (Spring semester, 2009-present)

Guest Lectures (courses at Emory)

- ENVS seminar series, Department of Environmental Sciences, Emory University (Fall 2015)
- Human and Natural Ecology (ENVS120), Department of Environmental Sciences, Emory University (Fall, 2014)
- Sustainable Water Resources (ENVS 385), Department of Environmental Sciences, Emory University (Spring 2015).
- Ecosystem Ecology (ENVS240), Department of Environmental Sciences, Emory University (Fall, 2014).
- Sustainability Foundations (IDS206), (Fall 2012, 2013).
- Environmental Determinants of Infectious Disease (EHS750). Rollins School of Public Health, Emory University. (Spring semester, 2010-present).
- Quantitative Methods in ENVS (ENVS299). (2011-present).
- Urbanization and Inequities: Pathways for Slums in the 21st Century (GRAD700R, University-wide course). (Spring 2015).
- Network Science: Theory, Methods and Applications (GRAD700R, University-wide course). (Spring 2013).
- Geographic Information Systems for Public Health (INFO530). (Fall 2011, Spring 2015).

Workshops taught

- Workshop Instructor “**Sistemas de Información Geográfica y Análisis Espacial en Salud Publica**” (in Spanish). Autonomous University of Yucatan (UADY), Merida, Mexico, June 5-6, 2016.
- Workshop Instructor “**Movimiento humano, exposición a dengue y rastreo de casos para mejorar la vigilancia entomoviológica**” (in Spanish). 14vo. Curso Internacional de Dengue, La Havana, Cuba, August 21, 2015.
- Workshop Instructor “**Sistemas de Información Geográfica y Análisis Espacial en Salud Publica**” (in Spanish). Autonomous University of Yucatan (UADY), Merida, Mexico, June 2-6, 2014.
- Workshop Instructor “**Spatial Analysis of GIS Data – Applied Statistics for Public Health and Environmental Studies**”. Kitron U and Vazquez-Prokopec GM (Instructors). Department of Environmental Studies, Emory University. Atlanta, 10-14 March, 2008.
- Workshop Instructor “**Uses and Applications of Geographic Information Systems**”. Gurtler RE, Cecere MC, Vazquez-Prokopec GM (Instructors). Organizers: Panamerican Health Organization, School of Exact and Natural Sciences – UBA, and University of Illinois at Urbana-Champaign. Buenos Aires, Argentina, August 16-20, 2004.

Past courses

Teacher assistant. “**Population Ecology**”. Undergraduate course of the Biology career (School of Exact and Natural Sciences – University of Buenos Aires). Professor: Dr. Ricardo Gürtler (2006)

Scholarships

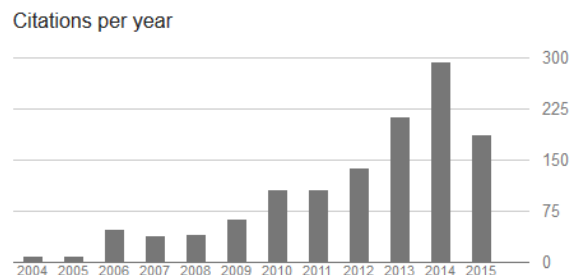
- 2004-2008 Ph.D. scholarship.** Consejo Nacional de Actividades Científicas y Técnicas (CONICET) of Argentina. April 2004- December 2007. Advisor: Dr. Ricardo Gürtler.
- 2005 Visiting Scholar.** Dept. of Pathobiology, College of Veterinary Medicine. University of Illinois at Urbana-Champaign (from 08/28/2005 to 12/16/2005).
- 2001-2002 Student scholarship.** University of Buenos Aires. Advisor: Dr Ricardo Gürtler.

Patents

- 2011 Vazquez-Prokopec G.M., Kitron U. Galvin W. U.S.** “Device and methods for capturing insects”, Pub. No.: US 2011/0088309 A1, Date: Apr 21, 2011. U.S. Application No. 12/898,280. <http://www.google.com/patents/US20110088309> . Patent for the “Prokopack” mosquito aspirator used to perform mosquito (and other insects) collections for research purposes.

Scientific Productivity Summary

Citation indices	All	Since 2010
Citations	1269	1048
h-index	20	19
i10-index	32	29



Source: <http://scholar.google.com/citations?hl=en&user=EreyivoAAAAJ>

Total Peer Reviewed Publications (published or in press): 53

Publication List

In peer-reviewed journals (Students I mentored: ψPhD; ‡MPH; ξUndergraduate)

Under Peer-Review

- 64) Vazquez-Prokopec GM, Montgomery B, Horne P, Clennon J, and Ritchie SA. Combining Contact Tracing with Targeted Indoor Residual Spraying Significantly Impacts Dengue Transmission.
- 63) **Vazquez-Prokopec GM**, Clennon JA, Williams J, Reithinger R. Spatial Analysis of *Anopheles gambiae* s.l. Insecticide Resistance in East Africa. *Transactions of the Royal Society of Tropical Medicine and Hygiene*.

In Press

- 62) Vanlerberghe V., Gómez-Dantés H., Vazquez-Prokopec G, Alexander N., Manrique-Saide P., Coelho G., Toledo M.E., Ocampo C., Van der Stuyft P, DENTARGET network. Changing paradigms in Aedes control: considering the spatial heterogeneity of disease transmission. *Pan American Journal of Public Health*.

Published 2016

- 61) Perkins TA, Paz-Soldan V, Stoddard ST, Morrison AC, Forshey BM, Long KC, Halsey E, Kochel TJ, Elder JP, Kitron U, Scott TW, **Vazquez-Prokopec GM**. 2016. Calling in sick: impacts of fever on intra-urban human mobility. *Proc. Roy. Soc. B*. DOI: 10.1098/rspb.2016.0390.
- 60) Reiner JR, RC, Achee N, Barrera R, Burkot T, Chadee D, Devine G, Endy T, Gubler D, Homback J, Kleinschmidt I, Lenhart A, Lindsay S, Longini I, Mondini M, Morrison A, Perkins TA, **Vazquez-Prokopec GM**, Reiter P, Ritchie S, Smith D, Strickman D, Scott TW. 2016. Quantifying the epidemiological impact of vector control on dengue. *PLoS Negl. Trop. Dis.* 10(5): e0004588
- 59) Stephens P.R., Altizer S., Smith K.F., Aguirre A.A., Brown J.H., Budischak S., Byers J.E., Critchlow R., Davies J.T., Drake J.M., Ezenwa V., Farrel M., Gittleman J.L., Han B., Huang S., Hutchinson R.A., Johnson P., Nunn C.L., Onstad D., Park A., Poulin R., **Vazquez-Prokopec G.M.**, Schmidt J.P. 2016. The Macroecology of Infectious Diseases. *Ecology Letters* doi: 10.1111/ele.12644.
- 58) ‡Deming R., Manrique-Saide P., Medina-Barreiro A., Koyoc-Cardena E., Che-Mendoza A., ‡Jones B., Liebman K., Vizcaino L., **Vazquez-Prokopec G.M.**, Lenhart A. 2016. Spatial Heterogeneity of Insecticide Resistance in the Dengue Vector *Aedes aegypti* Presents Unique Vector Control Challenges. *BMC Parasites and Vectors* 9: 67.

57) **Vazquez-Prokopec GM**, Perkins TA, Waller LA, Lloyd AL, Reiner Jr, RC, Scott TW, Kitron U. 2016. Coupled heterogeneities and their impact on parasite transmission and control. *Trends in Parasitology* 32(5): 356–367.

56) Dzul-Manzanilla F, Martinez NE, Cruz-Nolasco M, Gutierrez-Castro C, Lopez-Damian L, Ibarra-Lopez J, Martini-Jaimes A, Bibiano-Marin W, Tornez-Benitez C, **Vazquez-Prokopec GM**, Manrique-Saide P. 2016. Evidence of vertical transmission and co-circulation of chikungunya and dengue viruses in field populations of *Aedes aegypti* (L.) from Guerrero, Mexico. (2015) *Trans. R. Soc. Trop. Med. Hyg.* 110(2):141-4.

2015

55) Gonçalves-Barreto J, Bisanzio D, Cipriani-Frade MA, Pires-Moraes TM, Gobbo AR, de Souza Guimarães L, Batista da Silva M, **Vazquez-Prokopec GM**, Spencer JS, Kitron U, Guedes Salgado C. 2015. Spatial epidemiology and serologic cohorts increase the early detection of leprosy. *BMC Infectious Diseases.* (2015) 15:527.

54) Rodríguez-Planes L.I., **Vazquez-Prokopec G.M.**, Cecere M.C., Canale D.M. and Gürtler R.E. 2015. Selective Insecticide Applications Directed Against *Triatoma infestans* (Hemiptera, Reduviidae) Affected a Non-Target Secondary Vector of Chagas Disease, *Triatoma garciabesi*. *J. Med. Entomol.* 53(1):144-151.

53) Barrera-Pérez M.A., Pavía-Ruz N., Mendoza-Mézquita J.E., Torres-Arcila N., Hernández-Hernández R., Castro-Gamboa F., Geded-Moreno E., Cohuo-Rodríguez A., Medina-Barreiro A., Koyoc-Cardena E., Gómez-Dantés H., Kroeger A., **Vazquez-Prokopec G.M.**, Manrique-Saide P. 2015. Control of *Aedes aegypti* breeding sites with the program Recycle for your Wellbeing in Merida Mexico. *Salud Pública de México* 57(3):201-210.

52) ψGuagliardo SA, Morrison AC, Barboza JL, Wesson DM, Ponnusamy L, Astete H, **Vazquez-Prokopec GM**, Kitron U. 2015. Evidence for *Aedes aegypti* oviposition on boats in the Peruvian Amazon. *Journal of Medical Entomology* 52(4): 726–729.

51) Koyoc-Cardena E., Escobedo-Ortegón F.J., Rodríguez-Buenfil J.C., Barrera-Perez M., Reyes-Novelo E., Guillermo-May G., Medina-Barreiro A., **Vazquez-Prokopec G.M.**, Manrique-Saide P. 2015. Chicken coops and *Triatoma dimidiata* infestation and infection with *Trypanosoma cruzi* in a rural village of Yucatan Mexico. *Revista del Instituto de Medicina Tropical de Sao Paulo* 57(3):269-272.

50) ψGuagliardo SA, Morrison AC, Barboza JL, Requena E, Astete H, **Vazquez-Prokopec GM**, Kitron U. 2015. River Boats Contribute to the Regional Spread of the Dengue Vector *Aedes aegypti* in the Peruvian Amazon. *PLoS Neglected Tropical Diseases*, 9(4):e0003648.

49) Che-Mendoza A., Guillermo-May G., Herrera-Bojórquez J., Barrera-Pérez M., Dzul-Manzanilla F., Gutierrez-Castro C., Arredondo-Jiménez J.I., Sánchez-Tejeda G., **Vazquez-Prokopec G.M.**, Ranson H., Lenhart A., Sommerfeld J., McCall P.J., Kroeger A, Manrique-Saide P. 2015. Long-lasting insecticide treated house screens and targeted treatment of productive breeding-sites for dengue vector control in Acapulco, Mexico. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 109: 106-115.

48) Manrique-Saide P., Che-Mendoza A., Barrera-Pérez M., Guillermo-May G., Herrera-Bojórquez J., Dzul-Manzanilla F., Gutierrez-Castro C., Arredondo-Jiménez J.I., Lenhart A., **Vazquez-Prokopec G.M.**, Sommerfeld J., McCall P., Kroeger A. 2015. Long-lasting insecticide treated house screens reduce domestic infestations of dengue vectors in Mexico. *Emerging Infectious Diseases*, 21(2): 308-311.

2014

47) Gurtler R.E., Cecere M.C., Fernandez M.P., **Vazquez-Prokopec G.M.**, Ceballos L.A., Gurevitz J.M., Kitron U., Cohen J. 2014. Key Source Habitats and potential dispersal of

Triatoma infestans populations in northwestern Argentina: implications for vector control. *PLoS Neglected Tropical Diseases*, 8(10): e3238.

- 46) ψParsons MB, Gillespie TR, Lonsdorf EV, Travis D, Lipende I, Gilagiza B, Kamenya S, Pintea L., **Vazquez-Prokopec GM.** 2014. Global Positioning System Data-Loggers: A Tool to Quantify Fine-Scale Movement of Domestic Animals to Evaluate Potential for Zoonotic Transmission to an Endangered Wildlife Population. *PLoS ONE*, 9(11): e110984.
- 45) Lukwa N., Sande S., Makuwaza A., Chiwade T., Netsa M., Asamoia K., **Vazquez-Prokopec G.M.**, Reithinger R., Williams J. 2014. Nationwide assessment of insecticide susceptibility in *Anopheles gambiae* s.l. populations from Zimbabwe. *Malaria Journal* 13:408.
- 44) Perkins TA, Garcia AJ, Paz-Soldan VA, Stoddard ST, Reiner RC, **Vazquez-Prokopec GM**, Bisanzio D., Morrison AC, Halsey ES, Kochel T, Smith DL, Kitron U, Scott TW, Tatem AJ. 2014. Theory and data for simulating fine-scale human movement in an urban environment. *Proceedings of the Royal Society Interface*, 11, 20140642.
- 43) ‡LaCon G, Morrison AC, Astete H, Stoddard ST, Paz-Soldan VA, Elder JP, Halsey ES, Scott TW, Kitron U, **Vazquez-Prokopec GM.** 2014. Shifting patterns of *Aedes aegypti* fine scale spatial clustering in Iquitos, Peru. *PLoS Neglected Tropical Diseases*, (8): e3038.
- 42) ψGuagliardo SA, Barboza JL, Morrison AC, Astete H, **Vazquez-Prokopec GM**, Kitron U. 2014. Patterns of geographic expansion of *Aedes aegypti* in the Peruvian Amazon. *PLoS Neglected Tropical Diseases*, (8): e3033.
- 41) Paz-Soldan V.A., Reiner R.C., Jr, Morrison A.C., Stoddard S.T., Kitron U., Scott T.W., Elder J.P, Halsey E.S., Kochel T.J., Astete H., **Vazquez-Prokopec G.M.** 2014. Strengths and weaknesses of Global Positioning System (GPS) data-loggers and semi-structured interviews for capturing fine-scale human mobility: findings from Iquitos, Peru. *PLoS Neglected Tropical Diseases*, 8(6): e2888
- 40) Reiner RC, Jr. Stoddard S.T., Forshey B.M., King A.A., Ellis A.M., Lloyd A.L., Long K.C., Rocha C., Vilcarromero S., Astete H., Bazan I., Lenhart A., **Vazquez-Prokopec G.M.**, Paz-Soldan V.A., McCall P.J., Kitron U., Elder J.P., Halsey E.S., Morrison A.C., Kochel T.J., Scott T.W. 2014. Time-varying, serotype-specific force of infection estimates for dengue virus. *Proceedings of the National Academies of Science of the USA.* (26):E2694-2702.
- 39) Gürtler R.E., Cecere M.C., **Vazquez-Prokopec G.M.**, Ceballos L.A., Gurevitz J.M., Fernandez M.P, Kitron U., Cohen J. 2014. Domestic Animal Hosts Strongly Influence Human-Feeding Rates of the Chagas Disease Vector *Triatoma infestans* in Argentina. *PLoS Neglected Tropical Diseases* 8(5): e289.
- 38) Manrique-Saide P. Coleman P., McCall P.J., Lenhart A., **Vazquez-Prokopec G.M.** and Davies C.R. 2014. Multi-scale analysis of the association between egg, larval and pupal surveys and the presence and abundance of adult female *Aedes* (*Stegomyia*) *aegypti* in the city of Merida, Mexico. *Medical and Veterinary Entomology* 28(3):264-72.
- 37) Gonçalves-Barreto J., Bisanzio D., de Souza Guimarães L., Spencer J.S., **Vazquez-Prokopec G.M.**, Kitron U., Guedes Salgado C. 2014. Spatial Analysis Spotlighting Early Childhood Leprosy Transmission in a Hyperendemic Municipality of the Brazilian Amazon Region. *PLoS Neglected Tropical Diseases* 8(2): e2665.
- 36) ‡Lund A, McMillan J, Kitron U, Kelly R, Mead D, Burkot T, **Vazquez-Prokopec G.M.** 2014. Long term impacts of Combined Sewer Overflow remediation on water quality and population dynamics of *Culex quinquefasciatus*, the main urban West Nile virus vector in Atlanta, GA. *Environmental Research* 129: 20-26.
- 35) **Vazquez-Prokopec G.M.**, Paz-Soldan V.A., Stoddard S.T., Morrison A.C., Elder J.P., Kochel T.J., Scott T.W. Kitron U. 2013. Linking fine scale human mobility and social contacts to understand infectious disease dynamics within a resource-poor urban center. *PLoS ONE* 8(4): e58802.

2013

- 34) Cecere M.C., **Vazquez-Prokopec G.M.**, Ceballos L.A., Boragno S., Zarate J.E., Kitron U., Gurtler R.E. 2013. Improved chemical control of Chagas disease vectors in the dry Gran Chaco region. *Journal of Medical Entomology*, 50(2): 394-403.
- 2012 33) Stoddard S, Forshey B, Morrison A, Paz Soldan V, **Vazquez-Prokopec G**, Astete H, Reiner RC, Vilcarromero S, Elder J, Halsey E, Kochel T, Kitron U, Scott T. 2013. House-to-house human movement drives dengue virus transmission. *Proceedings of the National Academies of Science of the USA* 110(3): 994-999.
- 32) ŷYoshioka M, Couret J, Kim F, McMillan J, Burkot T, Dotson E, Kitron U, **Vazquez-Prokopec G**. 2012. Density dependence in larval performance and female oviposition site selection in the mosquito species *Aedes albopictus* (Diptera: Culicidae). *BMC Parasites and Vectors*, 5:225.
- 31) **Vazquez-Prokopec G.M.**, Spillmann C., Zaidenberg M., Gurtler R.E., Kitron U. 2012. Spatial heterogeneity and risk maps of community infestation by *Triatoma infestans* in rural northwestern Argentina. *PLoS Neglected Tropical Diseases* 6(8): e1788.
- 2011 30) Bisanzio D., Giacobini M., Bertolotti L., Mosca A., Balbo L., Kitron U., **Vazquez-Prokopec G.M.** Spatio-temporal patterns of distribution of West Nile virus vectors in Eastern Piedmont, Italy. *BMC Parasites and Vectors*, 4: 230.
- 29) Ceballos L.A., Piccinali R.V., Marcet, P.L., **Vazquez-Prokopec G.M.**, Cardinal M.V., Schachter-Broide J., Dujardin J.P, Dotson, E.M., Kitron U., Gurtler R.E. 2011. Hidden sylvatic foci of the main vector of Chagas disease *Triatoma infestans*: threats to the vector elimination campaign?. *PLoS Neglected Tropical Diseases*. 5(10): e1365.
- 28) Martin A.J., Rich T.H., Hall M., Vickers-Rich P., **Vazquez-Prokopec G.M.** 2011. A polar dinosaur-track assemblage from the Eumeraella Formation (Albian), Victoria, Australia. *Alcheringa*. 1-18. ISSN 0311-5518.
- 27) **Vazquez-Prokopec G.M.** 2011. Editorial: Dengue: the challenge ahead. *Future Microbiology*, 6(3): 251-253.
- 26) Chaves L.F., Keogh C.L., Nguyen A.M., Decker G.M., **Vazquez-Prokopec G.M.**, Kitron U. 2011. Combined sewage overflow accelerates immature development and increases body size in the urban mosquito *Culex quinquefasciatus*. *Journal of Applied Entomology*, 135(8):611-620.
- 2010 25) **Vazquez-Prokopec G.M.**, Kitron U., Montgomery B., Horne P., Ritchie S.A. 2010. Quantifying the spatial dimension of dengue virus epidemic spread within a tropical urban environment. *PLoS Neglected Tropical Diseases*, 4(12): e920.
- 24) **Vazquez-Prokopec G.M.**, Chaves L.F., Ritchie S.A., Davis J., Kitron U. 2010. Unforeseen costs of cutting mosquito surveillance budgets. *PLoS Neglected Tropical Diseases*, 4(10): e858.
- 23) **Vazquez-Prokopec G.M.**, Vandeng Eng J., Kelly R., Mead D., Kolhe P., Howgate J., Kitron U. ad Burkot T. 2010. West Nile Virus Infection is Associated with Combined Sewage Overflow Streams in Urban Atlanta, Georgia. *Environmental Health Perspectives*, 118(10): 1382-1388.
- 22) Khan O., Davenhall D., Ali M., Castillo-Salgado C., **Vazquez-Prokopec G.M.**, Kitron U., Soares Magalhães R., Clements A. 2010. GIS and Tropical Medicine: A review. *Annals of Tropical Medicine and Parasitology*, 104: 303-318.
- 21) Paz-Soldan V.A., Stoddard S.T., **Vazquez-Prokopec G.M.**, Morrison A.C., Elder J.P., Kitron U., Kochel T.J., Scott T.W. 2010. Assessing and Maximizing the Acceptability of GPS Device Use for Studying the Role of Human Movement in Dengue Virus Transmission in Iquitos, Peru. *American Journal of Tropical Medicine and Hygiene*, 82(4): 723-730.

- 20) Martin A.J., **Vazquez-Prokopec G.M.**, Page M. 2010. First Known Feeding Trace of the Eocene Bottom-Dwelling Fish *Notogoneus osculus* and its Paleontological Significance. *PLoS ONE*, 5(5): e10420.
- 2009**
- 19) **Vazquez-Prokopec G.M.**, Stoddard S.T., Paz-Soldan V., Morrison A.C., Elder J.P., Kochel T.J., Scott T.W. AND Kitron U. 2009. Usefulness of commercially available GPS data-loggers for tracking human movement and risk of dengue virus infection. *BMC International Journal of Health Geographics*, 8:68.
- 18) **Vazquez-Prokopec G.M.**, Galvin W., Kelly R., Kitron U. 2009. A new, cost-effective, battery-powered aspirator for adult mosquito collections. *Journal of Medical Entomology*, 46(6): 1256-1259.
- 17) Stoddard S.T., Morrison A.C., **Vazquez-Prokopec G.M.**, Paz-Soldan V., Kochel T.J., Kitron U., Elder J.P., Scott T.W. 2009. The Role of Human Movement in the Transmission of Vector-borne Pathogens. *PLoS Neglected Tropical Diseases*, 3(7): e481.
- 16) Chaves L.F., Keogh K.L., **Vazquez-Prokopec G.M.**, Kitron U. 2009. Combined sewage overflow enhances oviposition of *Culex quinquefasciatus* in urban areas. *Journal of Medical Entomology*, 46: 220-226.
- 15) **Vazquez-Prokopec G.M.**, Spillmann C., Zaidenberg M., Kitron U., Gürtler R. 2009. Cost-effectiveness of Chagas Disease Vector Control Strategies in Northwestern Argentina. *PLoS Neglected Tropical Diseases*, 3(1): e363.
- 2008**
- 14) **Vazquez-Prokopec G.M.**, Cecere M.C., Kitron U., Gürtler R.E. 2008. Environmental and demographic factors determining the spatial distribution of *Triatoma guasayana* in sylvatic and peridomestic habitats of rural northwestern Argentina. *Medical and Veterinary Entomology*, 22: 273-282.
- 2006**
- 13) Kitron U., Clennon J.A., Cecere M.C., Gürtler R.E., King C., **Vazquez-Prokopec G.M.** 2006. Upscale or downscale: applications of fine scale remotely sensed data to schistosomiasis in Kenya and Chagas disease in Argentina. *Geospatial Health*, 1: 49-58.
- 12) Cardinal M.V., Castañera M.B., Lauricella M.A., Cecere M.C., Ceballos L.A., **Vazquez-Prokopec G.M.**, Kitron U., Gürtler R.E. 2006. A prospective study of the effects of sustained vector surveillance on *Trypanosoma cruzi* infection of dogs and cats in rural northwestern Argentina. *American Journal of Tropical Medicine and Hygiene*, 75(4): 753-761.
- 11) **Vazquez-Prokopec G.M.**, Ceballos L.A., Marcet P.L., Cecere M.C., Cardinal M.V., Kitron U., Gürtler R.E. 2006. Seasonal variations in active dispersal of natural populations of *Triatoma infestans* in rural northwestern Argentina. *Medical and Veterinary Entomology*, 20: 273-279.
- 10) Cecere M.C., **Vazquez-Prokopec G.M.**, Ceballos L.A., Gurevitz J.M., Zárate J.E., Zaidenberg M., Kitron U., Gürtler R.E. 2006. Comparative trial of the effectiveness of pyrethroid insecticides against peridomestic populations of *Triatoma infestans* in northwestern Argentina. *Journal of Medical Entomology*, 43: 902-909.
- 9) Ceballos L.A., Cardinal M.V., **Vazquez-Prokopec G.M.**, Lauricella M.A., Orozco M.M., Cortinas R., Schijman A.G., Levin M.J., Kitron U., Gürtler R.E. 2006. Long-term reduction of *Trypanosoma cruzi* infection in sylvatic mammals following deforestation and sustained surveillance in northwestern Argentina. *Acta Tropica*, 98 (3): 286-296.
- 8) Cecere M.C., **Vazquez-Prokopec G.M.**, Gürtler R.E., Kitron U. 2006. Reinfestation sources for Chagas disease vector, *Triatoma infestans*, Argentina. *Emerging Infectious Diseases*, 12 (7): 1096-1102.
- 2005**
- 7) Ceballos L.A., **Vazquez-Prokopec G.M.**, Cecere M.C., Gürtler R.E. 2005. Feeding rates, nutritional status and flight dispersal potential of peridomestic populations of *Triatoma infestans* in rural northwestern Argentina. *Acta Tropica*, 95: 149-159.

- 2004 6) **Vazquez-Prokopec G.M.**, Cecere M.C., Canale D.M., Gürtler R.E., Kitron U. 2005. Spatiotemporal patterns of reinfestation by *Triatoma guasayana* (Hemiptera: Reduviidae) in a rural community of northwestern Argentina. *Journal of Medical Entomology*, 42 (4): 571-581.
- 2004 5) Cecere M.C., **Vazquez-Prokopec G.M.**, Gürtler R.E., Kitron U. 2004. Spatio-temporal analysis of reinfestation by *Triatoma infestans* (Hemiptera: reduviidae) following insecticide spraying in a rural community in northwestern Argentina. *American Journal of Tropical Medicine and Hygiene*, 71 (6): 803-810.
- 2002 4) **Vazquez-Prokopec G.M.**, Ceballos L.A., Kitron U., Gürtler R.E. 2004. Active dispersal of natural populations of *Triatoma infestans* (Hemiptera: Triatominae) in rural northwestern Argentina. *Journal of Medical Entomology*, 41 (4): 614-621.
- 2002 3) **Vazquez-Prokopec G.M.**, Ceballos L.A., Cecere M.C., Gürtler R.E. 2002. Seasonal variations of microclimatic conditions in domestic and peridomestic habitats of *Triatoma infestans* (Hemiptera: Reduviidae) in rural northwest Argentina. *Acta Tropica*, 84: 229-238.
- 2002 2) **Vazquez-Prokopec G.M.**, Ceballos L.A., Salomon O.D., Gürtler R.E. 2002. Field trials of an improved cost-effective device for detecting peridomestic populations of *Triatoma infestans* (Hemiptera: Reduviidae) in Rural Argentina. *Memorias do Instituto Oswaldo Cruz*, 97(7): 971-977.
- 2001 1) Gürtler R.E., **Vazquez-Prokopec G.M.**, Ceballos L.A., Lund Petersen C., Salomón O.D. 2001. Comparison between two artificial shelter units and timed manual collections for detecting peridomestic *Triatoma infestans* (Hemiptera: Reduviidae) in rural northwestern Argentina. *Journal of Medical Entomology*, 38(3): 429-436.

Book Chapters

- 2005 Kitron U., Clennon J.A., Gürtler R.E., King C.H., Cecere M.C., **Vazquez-Prokopec G.M.**, Thornhill J., Beck L. Application of fine resolution satellite data to spatial analysis and control of infectious diseases: Schistosomiasis in Kenya and Chagas disease in Argentina. *In* Confalonieri, U.E.C & Marinho, D.P., 2005. Remote Sensing and the Control of Infectious Diseases: Proceedings of an Interamerican Workshop. ENSP/FIOCRUZ, Rio de Janeiro, 104 pp.

Contributions to Public Health Policy

Research on Chagas disease cited in “Research Priorities for Chagas Disease, Human Trypanosomiasis and Leishmaniasis. Technical Report of the TRR disease reference group”. ISBN 978 92 4 120975 5. World Health Organization, Geneva.

Research on Cost of cutting mosquito budgets (Vazquez-Prokopec et al. 2010) used in the Justification of Estimates for Appropriation Committees for the Centers for Disease Control for year 2012.

Awards

- 2012 **Emory Global Health Faculty Distinction Award.**

Editorial Board Member

2015-2018 Transactions of the Royal Society of Tropical Medicine and Hygiene. Oxford University Press. http://www.oxfordjournals.org/our_journals/trstmh/editorial_board.html

Service Activities

Emory University Committees

ENVS Undergraduate Curriculum Committee (Department of Environmental Sciences). (2013-present)

PBEE Executive Committee (2013-present)

Self-study and external review Committee (Department of Environmental Studies). (2012)

IACUC Wildlife Use Policy Subcommittee (Emory University IACUC office) (2013-present)

Emory Global Health Scholar Symposium Panel Member (2014)

Masters in Development Practice Recruit Evaluator (2014)

PBEE PhD qualifying exam committee for: Ivan Shoemaker and Mary Bushman (2013), David Groenewald and Trieste Musal (2014).

Emory Global Health Institute Faculty Fellow. Involved in overall advising to GHI on strategic missions of the institute and on Emory Faculty participation in global health.

Faculty Search Committee member: Biology (2015-2016).

Grant Reviewing Committees

US National Science Foundation. Population and Community Ecology Cluster. (2013, 2016)

National Agency for the Promotion of Scientific and Technologic Activities. Ministry of Science, Technology and Productivity (Argentina). (2014, 2013, 2012, 2011)

Universidad de los Andes (Colombia), Vicerrectoria de Investigacion. (2011)

PhD Dissertation Committees

Travis Dynes. Emory University (PBEE). 2015-present

Arthi Rao. Georgia Tech (City and Regional Planning). 2013-present.

Trieste Musal. Emory University (PBEE). 2014-present.

Sarah Guagliardo. Emory University (PBEE). 2011-2015.

Michele Parsons. Emory University (PBEE). 2012-2015.

Other Committees

Chair. American Committee of Medical Entomology (2013-2017).

<https://www.astmh.org/ACME.htm>

Technical Scientific Advisor. “Working Group for the Evaluation of Novel Vector Control Strategies in Brazil”. Pan American Health Organization, World Health Organization. (2016).

Manuscript Reviews (2009-present)

Emerging Infectious Diseases Journal • Proceedings of the Royal Society Interface • American Journal of Tropical Medicine and Hygiene • PLoS Neglected Tropical Diseases • PLoS ONE • Acta Tropica • Journal of Medical Entomology • Journal of Vector Ecology • International Journal of Health Geographics • International Journal of Parasitology • BMC Environmental Health • BMC Infectious Diseases • Tropical

Invited Talks

- 2016 **Invited Talk** “Risk stratification of dengue virus transmission and its use for improving Disease surveillance and control”. *International Meeting for the validation of novel alternatives to *Ae aegypti* control in the national program of dengue virus in Brazil. Brazilia 17-18 Feb, 2016 (meeting organized by Brazil’s Health Minister to identify novel tools to contain Zika virus epidemics).*
- 2015 **Invited Talk** “Mapping and Spatial Analysis in Disease Ecology” for the meeting *Global Health Challenges and Collaborative Opportunities in Arbovirus Research NIH-Fiocruz Scientific Workshop 30 Nov. – 3 Dec. 2015. Manaus, Amazonas, Brasil.*
- Panel Member** in meeting Integrating Prediction and Forecasting Models for Decision-Making: Dengue Epidemic Prediction. White House Office of Science and Technology Policy (September 20, 2015)
- Keynote Speaker** “Spatial dimension of dengue surveillance, transmission and control”. 14th International Dengue Course, La Havana, Cuba, August 13, 2015.
- Invited Speaker** “Bugs on the move: linking human mobility networks to infectious disease dynamics”. Queensland Institute for Medical Research (QIMR), Brisbane, Australia.
- Invited Speaker** “Bugs on the move: disentangling the role of human movement in infectious disease dynamics”. James Cook University, Cairns, Australia, Medical Entomology course (Ritchie S. and Burkot T., instructors).
- Invited Speaker** “Conceptualizing the spatial dimension of dengue transmission and control”. 14th International Dengue Course 10-21th August 2015, La Havana, Cuba.
- Invited Speaker** “Human mobility, dynamic contacts and infectious disease dynamics within a resource-poor urban environment”. 13th Ecology and Evolution of Infectious Disease meeting. Athens, GA, May 27, 2015.
- Invited Speaker** “Cost-effective delivery of Chagas disease vector control interventions”. *RAPIDD workshop on Targeted Interventions. South Bend, IN, March 13-15, 2015.*
- Invited Speaker** “Mapeo de casos reportados de dengue, su persistencia y relevancia para la estratificación del riesgo de transmisión”. *DENTARGET network meeting, Natal, Brazil, Apr 13-17, 2015.*
- Invited Speaker** “Urban stream health and West Nile virus ecology” for the course *Climate Change and the City* led by Brian Stone. Georgia Tech, February 10, 2015.
- 2014 **Invited Speaker** “Understanding the Spatial Dimension of Vector-Borne Disease Transmission and Control”. *Centers for Disease Control and Prevention, Atlanta, GA, November 19, 2014.*
- Invited Speaker** “Understanding the Spatial Dimension of Vector-Borne Disease Transmission and Control”. *Research Triangle Institute. Washington, DC. September 16, 2014.*
- Invited Speaker** “Mapping, mobility and modelling for supporting dengue and Chagas’ disease control efforts”. *RAPIDD workshop on linking risk maps and models. Winchester, England, July 22-24, 2014.*
- Invited Speaker** “Entendiendo la Dimension Espacial en la Transmision de Enfermedades Vectoriales” for the *Jornadas Academicas de Aniversario del Laboratorio Estatal de Salud Publica, Merida, Yucatan, Mexico, July 10, 2014.*
- Invited Speaker** “Urban stream health and West Nile virus ecology” for the course *Climate Change and the City* led by Brian Stone. Georgia Tech, February 14, 2014.
- 2013 **Invited Speaker** “Entomological correlates of dengue transmission: revisiting current approaches and identifying missing connections”. *X International Congress: 25 Years of Dengue*

Surveillance in Panama – 85th Anniversary Gorgas Commemorative Institute - II International Meeting for the control of Aedes aegypti Why can't we control Aedes aegypti? Current status and future perspectives. November 19-22, 2013, Panama City, Panama.

Invited Speaker “Bugs on the Move: Linking Human Mobility Networks to Infectious Disease Dynamics” *Symposium on Global Health Research. New Mexico State University, Las Cruces. July 19, 2013.*

Invited Speaker “Ecologia Urbana” *Curso Teorico Practico en Prevencion de las Enfermedades Transmitidas por Vector. Centro de Investigaciones Regionales Dr Hideyo Noguchi- Universidad Autonoma de Yucatan, Merida, Mexico. June 24, 2013.*

Invited Speaker “Entendiendo la dimension especial en la transmision de enfermedades vectoriales”. *Programa de Enfermedades Transmitidas por Vector CENAPRECE Secretaría de Salud, Mexico City, Mexico. January 14, 2013.*

2012 Symposium Organizer “98. New Paradigms for Rational Chagas Disease Prevention and Control”. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2011.*

Invited Speaker “Novel approaches for cost-effective delivery of Chagas disease vector control interventions”. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2011.*

Invited Speaker “Linking fine scale mobility and dynamic contacts to understand the spatial dimension of pathogen transmission” *NSF-Ecology and Evolution of Infectious Diseases Workshop. Columbus, Oh, September 18, 2012.*

Invited Speaker “Modeling the Vector: accounting for vector biology and behavior in dengue models” *NIMBioS investigative workshop: modeling dengue fever. Knoxville, Tennessee July 23-24, 2012.*

Panelist “GIS4Health” *Spatial Plexus Meeting. Atlanta, GA May 20, 2012.*

Panelist “Beyond disciplinary boundaries: Covering the “One Health” movement” *at the Association of Health Care Journalists. Atlanta, GA, April 20, 2012.*

Invited speaker “Applications of GIS and Spatial Analysis in Public Health Entomology”. *Data Visualization, Network Science, Quantitative and Spatial Analyses Workshop. February 10th, 2012, Emory University.*

2011 Invited speaker “Spatial dynamics of dengue virus transmission in urban environments” *GIS-Day 2011, Centers for Disease Control and Prevention, November 17, 2011.*

Invited speaker “Linking humans, vectors and the environment to understand the spatial dynamics of vector-borne disease transmission”. *2011 Dean’s Lecture Series, College of Public Health, University of South Florida, Tampa, FL November 4, 2011.*

Invited speaker “West Nile virus transmission in combined sewer overflow streams”. *34th Georgia Mosquito Control Association Meeting, Athens, GA October 20, 2011.*

Plenary talk. “GIScience in public health: Chagas disease, dengue and West Nile virus”. *GIS in Public Health URISA annual meeting, Atlanta, GA. June 29, 2011.*

Invited speaker. “Using GIS and spatial analysis to understand the spatial dimension of dengue virus transmission”. *GeoSWG group meeting. Centers for Disease Control and Prevention (CDC), Atlanta, GA. April 26, 2011.*

Invited speaker “Institutions and community participation in parasitic disease control: the argentine case” *for Emory’s Program in Development Studies, March 30, 2011.*

2010 Oral presentation “Quantifying the spatial dimension of dengue virus epidemic spread in a tropical urban environment”. *59th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 3-7, 2010.*

Invited speaker “West Nile Virus Infection Risk is Associated with Combined Sewer Overflow Streams in Urban Atlanta, Georgia”. *Geography and Public Health Showcase –Centers for Disease Control and Prevention, Atlanta, GA November 18, 2010.*

- Oral presentation** “A new cost-effective aspirator for adult mosquito collections”. *American Mosquito Control Association 76th annual Meeting, Lexington, KY, March 27-31.*
- Invited speaker** “Current modeling and data needs for linking large-scale models of vector-borne diseases and remote sensing data”. *Scientific Workshop on Linking Large-scale Spatiotemporal Data to Process-based Models of Vector-borne Disease organized by the US NIH/DoD Research and Policy for Infectious Disease Dynamics (RAPIDD) initiative. Washington, DC, February 22-23.*
- Invited speaker** “The future of vector control efforts for Chagas disease”. *Centers for Disease Control and prevention (CDC), Division of Parasitic Diseases seminar series. Atlanta, GA, February 8.*
- Invited speaker** “Linking human movement and dengue virus transmission in urban environments”. *Scientific Workshop on Movement and Spatial Dynamics of Mosquito-Transmitted Diseases organized by the US NIH/DoD Research and Policy for Infectious Disease Dynamics (RAPIDD) initiative. Washington, DC, January 25-27.*
- 2009** **Invited speaker** “Spatial analysis of multiple dengue outbreaks in Cairns, Australia”. *Bill and Melinda Gates annual project meeting on the application of mathematical models to assess the population dynamics of Wolbachia-transformed Aedes aegypti mosquitoes. Cairns, Australia, December 18-22.*
- Invited speaker** “The future of vector control for Chagas disease”. *58th American Society of Tropical Medicine and Hygiene 58th annual meeting, Washington, DC, November 18-22.*
- Invited speaker** “A new, cost-effective, adult mosquito aspirator” at the *Georgia Mosquito Control Association meeting, Athens, GA, October 21-23, 2009.*
- Guest lecturer** for ENVS 225 - Institutions and the Environment; “Controlling Vector Borne Diseases in Urban Environments”. *Emory University, Department of Environmental Studies. Fall 2009.*
- Guest lecturer** “The role of human movement in the propagation of dengue virus in urban environments”. for *Population Biology, Ecology and Evolution (PBEE) seminar series, Emory University. Fall 2009.*
- Guest lecturer** “Urban Ecology and Vector-borne diseases”. for *ENVS385-Urban Ecology; Emory University, Department of Environmental Studies. Fall 2009.*
- 2008** **Invited speaker** “Spatial heterogeneity and risk maps of community infestation by Chagas disease vectors in northwestern Argentina” at the *GNOSIS-GIS 2nd Annual meeting, New Orleans, LA, December 5-6, 2008.*
- Invited speaker** “West Nile Virus in Urban Areas – From Chicago to Atlanta” at the *Georgia Mosquito Control Association Meeting, Athens, GA, October 15-17, 2008.*
- 2005** **Oral presentation** “Spread of Chagas disease vectors within and between rural communities of Northwestern Argentina” at the *Emerging Infectious Diseases Network annual meeting, Washington DC, December 16, 2005.*
- Oral presentation** “Spatio-temporal patterns of reinfestation by *Triatoma guasayana* (Hemiptera: Reduviidae) in a rural community of north-western Argentina” at the *International Congress of Vector Ecology. Reno, Nevada, USA. October 2-7 2005.*
- 2000** **Oral presentation** “A longitudinal paired field trial of two sensing devices for detecting peridomestic populations of *Triatoma Infestans* (Hemiptera: Reduviidae) in rural Northwestern Argentina” at the *XXI International Congress of Entomology, Foz do Iguaçu, August 25, 2000.*

Poster Presentations (Students I mentored: ♀PhD; ‡MPH; §Undergraduate)

- 2015 ♪ Grossman M, Lenhart A, Manrique-Saide P, **Vazquez-Prokopec G**. Fine-scale patterns of insecticide resistance in *Aedes aegypti* populations in Yucatan, Mexico. *64th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia Oct 23-26, 2014.*
- 2014 Gillespie TR., Parsons MB, Lonsdorf EV, Travis D, Lipende I, Gilagiza B, Kamenya S, Pinteá L, **Vazquez-Prokopec GM**. Identifying hotspots for zoonotic transmission: quantifying fine-scale movement of domesticated animals relative to chimpanzees at gombe stream national park, Tanzania. *XXV International Primatological Society meeting, Hanoi, Vietnam. 11-16 August 2014.*
Vazquez-Prokopec GM., ‡LaCon G, Morrison AC, Astete H, Stoddard ST, Paz-Soldan VA, Elder JP, Halsey ES, Scott TW, Kitron U, Shifting patterns of *Aedes aegypti* fine scale spatial clustering in Iquitos, Peru. *63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans Nov 2-6, 2014.*
 ♪Guagliardo, SA, Lee Y, Wong Y, Chu Y, Astete H, Vazquez-Prokopec G, Scott TW, Kitron U, Stoddard S. *Aedes aegypti* Population Structure Is Driven By Boat Traffic In The Peruvian Amazon. *63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans Nov 2-6, 2014.*
- 2013 ♪ Grossman M., Arredondo-Jimenez J., Che-Mendoza A., Manrique-Saide P., **Vazquez-Prokopec GM**. Multi-scale assessment of the usefulness of ovitraps as entomologic indicators of dengue transmission risk. *62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington, DC, November 14, 2013.*
- 2012 Reiner, Jr. RC, Stoddard ST, **Vazquez-Prokopec GM**, Astete H, Sihuíncha M, Stancil JD, Kochel TJ, Halsey E, Kitron U, Morrison AC, Scott TW. Estimating long-term *Aedes aegypti* abundance in Iquitos, Peru using a novel, spatially-explicit smoothing method. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2012.*
 ♪Guagliardo SA, LaCon G, Morrison AC, Astete H, **Vazquez-Prokopec GM**, Kitron U. Geographic expansion of *Aedes aegypti* along an urban-rural gradient in the Peruvian Amazon. . *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2012.*
 ♪McMillan JR, Marcet PL, Kitron U, **Vazquez-Prokopec GM**. Host selection, defensive behaviors and feeding success of *Culex quinquefasciatus* in experimental trials. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2012.*
 ‡Lund A, McMillan JR, Kitron U, Kelly R, Mead DG, Burkot T, **Vazquez-Prokopec GM**. Long-term impact of combined sewer overflow (CSO) remediation on water quality, mosquito abundance and West Nile virus amplification. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 12, 2012.*
- 2011 **Vazquez-Prokopec G**, Stoddard S, Paz Soldan V, Morrison A, Forshey B, Elder J, Halsey E, Sihuíncha M, Kochel T, Scott T, Kitron U. Integrating human and vector movement data into dengue virus transmission networks. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA, December 3-7, 2011.*
 ♪Guagliardo S, Rinaldi P, Jones B, Morrison A, Astete H, Kitron U, **Vazquez-Prokopec G**. Quantifying the contribution of public spaces for exposure risk to *Aedes aegypti*, in Iquitos, Peru. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA, December 3-7, 2011.*
 Stoddard S, Forshey B, Morrison A., Paz-Soldan V, **Vazquez-Prokopec G**, Astete H, Vilcarrómero S, Sihuíncha M, Halsey E, Elder J, Kitron U, Kochel T, Scott. Human movement determines risk of infection with dengue virus. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA, December 3-7, 2011.*

- Bisanzio D, Mosca A, Balbo L, Kitron U, **Vazquez-Prokopec G**. A spatio-temporal Bayesian model to improve surveillance and control of WNV vectors in Piedmont, Northern Italy. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA, December 3-7, 2011.*
- ξAccorsi E, Burkot T, Howell P, Dotson E, **Vazquez-Prokopec G**, Kitron U. A novel system for capturing and analyzing individual and collective mosquito behaviors under controlled conditions. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA, December 3-7, 2011.*
- Bansal S., **Vazquez-Prokopec G.M.**, Stoddard S., Kitron U., Grenfell B., Scott T.W. Exploring the patterns of human mobility: implications of the transmission of directly and indirectly transmitted pathogens. *Epidemics*2.
- Vazquez-Prokopec G.M.**, Kitron U., Ritchie S.A. Combining Surveillance Data With Statistical and Mathematical Models to Improve the Understanding of Dengue Virus Epidemic Spread Within Tropical Urban Environments. *A Re-Emerging Challenge: New Opportunities for Dengue Research Collaboration*, sponsored by the National Institute of Allergy and Infectious Diseases (NIAID), San Juan, Puerto Rico, February 15-18, 2011.
- 2010 **Vazquez-Prokopec G.M.**, Steven T. Stoddard, Valerie Paz-Soldan, Amy C. Morrison, John P. Elder, Tadeusz J. Kochel, Thomas W. Scott and Uriel Kitron. Using human movement data to derive dengue virus transmission networks. *59th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 3-7, 2010.*
- ‡Shirin Jabbarzadeh, Gregory M. Decker, William A. Galvin, Thomas R. Burkot, Rosmarie Kelly, Daniel G. Mead, Uriel Kitron., **Vazquez-Prokopec, G.M.**. Effects of Combined Sewer Overflows on Water Quality and *Culex quinquefasciatus* (Diptera: Culicidae) Abundance in Urban Atlanta. *59th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 3-7, 2010.*
- Ritchie S.A., **Vazquez-Prokopec G.M.** The 2009 Cairns dengue epidemic: Our perfect storm. *9th Mosquito Control Association of Australia, Sept 12-15, 2010.*
- Bertolotti L., Bisanzio D., Cerutti F., Mosca A., Balbo L., **Vazquez-Prokopec G.**, Kitron U., Giacobini M. Evaluating risk of introduction of WNV in Eastern Piedmont, Northern Italy. *Emerging Vector-borne diseases in a changing European environment (EDEN) meeting, Montpellier 10-12 May, 2010.*
- 2009 **Gonzalo Vazquez-Prokopec**, Steven Stoddard, Valerie Paz-Soldan, Amy Morrison, Jorge Vasquez-Belchoir, John Elder, Thomas W. Scott, Uriel Kitron. Usefulness of commercially available GPS data-loggers for tracking human movement and risk of dengue virus infection. *58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington, DC, November 18-22, 2009.*
- Gonzalo Vazquez-Prokopec**, Scott Ritchie, Jeffrey Hanna, Uriel Kitron. Spatio-temporal pattern of dengue virus spread in urban Cairns, Australia. *58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington, DC, November 18-22, 2009.*
- Gonzalo Vazquez-Prokopec**, Jodi Vanden Eng, Rosmarie Kelly, Danny Mead, Priti Kolhe, Thomas Burkot, Uriel Kitron. Spatial clustering of West Nile Virus infection is associated with Combined Sewer Overflow creeks in urban Atlanta, Georgia. *58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington, DC, November 18-22, 2009.*
- 2008 Paz-Soldan VA, Stoddard S, Morrison A, Elder J, **Vazquez-Prokopec G.M.**, Kitron U, Scott T. Using GPS technology to study disease transmission: What do potential study participants think about this? *57th Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, USA. December 7-11, 2008.*
- Vazquez-Prokopec G.M.**, Spillmann C., Zaidenberg M., Kitron U., Gürtler R.E. Cost-effectiveness of vector control strategies against *Triatoma infestans* in Northwestern

- Argentina. 57th Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, USA. December 7-11, 2008.
- 2007 **Vazquez-Prokopec G.M.**, Spillmann C., Zaidenberg M., Gürtler R.E., Kitron U. Determinants of *Triatoma infestans* infestation clustering in rural communities of Moreno Department, Northwestern Argentina. 56th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, USA. November 4-8, 2007.
- Gürtler R.E., Cardinal M.V., Ceballos L.A., Piccinali R.V., **Vazquez-Prokopec G.M.**, Marcet P.L., Schachter-Broide J., Cecere M.C., Lauricella M.A., Dujardin J.P., Kitron U. Vigilancia de *Triatoma infestans* y transmisión de *Trypanosoma cruzi* en habitats domésticos y silvestres en un área rural del norte de Argentina. Taller del Cono Sur "Actualización de la Tripanosomiasis Americana", Asunción, Paraguay, April 25-27, 2007.
- 2006 Cecere M.C., Vazquez-Prokopec G.M., Gürtler R.E., Kitron U. Effectiveness of community-based selective insecticide spraying on reinfestation by *Triatoma infestans* in northwestern Argentina. Poster presentation. 55th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, USA. November 12-16, 2006.
- Vazquez-Prokopec G.M.**, Spillmann C., Zaidenberg M., Kitron U., Gürtler R. Effects of a horizontal vector control strategy on *Triatoma infestans* infestation and Chagas' disease transmission in rural northwestern Argentina. Poster presentation. 55th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, USA. November 12-16, 2006.
- 2005 Ceballos L.A., **Vazquez-Prokopec G.M.**, Cardinal M.V., Orozco M.M., Cortinas R., Kitron U., Gürtler R.E. Variación en la prevalencia de infección de *Trypanosoma cruzi* en mamíferos silvestres de áreas rurales del noroeste de Argentina. XX Reunión de la Sociedad Argentina de Protozoología. 17-19 Octubre, 2005, Mendoza, Argentina.
- Ceballos L.A., **Vazquez-Prokopec G.M.**, Cardinal M.V., Orozco M.M., Cortinas R., Kitron U., Gürtler R.E. Variations in prevalence of infection by *Trypanosoma cruzi* in sylvatic mammals of rural Northwestern Argentina. 54th Annual Meeting of the American Society of Tropical Medicine and Higiene. Washington, DC, USA. December 11-15, 2005.
- Vazquez-Prokopec G.M.**, Ceballos L.A., Marcet P.L., Cecere M.C., Cardinal M.V., Kitron U., Gürtler R.E. Seasonal variations in active dispersal of natural populations of *T. infestans* (Hemiptera:Reduviidae) in rural Northwestern Argentina. 54th Annual Meeting of the American Society of Tropical Medicine and Higiene. Washington, DC, USA. December 11-15, 2005.
- Cecere M.C., **Vazquez-Prokopec G.M.**, Gürtler R.E., Kitron U. Spatio-temporal patterns of reinfestation by *Triatoma infestans* following insecticide spraying in neighbouring communities in northwestern Argentina. 54th Annual Meeting of the American Society of Tropical Medicine and Higiene. Washington, DC, USA. December 11-15, 2005.
- Vazquez-Prokopec G.M.**, Cecere M.C., Canale D.M., Gürtler R.E., Kitron U. Spatio-temporal patterns of reinfestation by *Triatoma guasayana* (Hemiptera : Reduviidae) in a rural community of north-western Argentina. Oral presentation. International Congress of Vector Ecology. Reno, USA. October 2-7, 2005.
- 2004 Cecere M.C., Gürtler R.E., **Vazquez-Prokopec G.M.**, Kitron U. Patrón espacio-temporal de la reinfestación por *Triatoma infestans*, vector del Mal de Chagas, en áreas rurales del noroeste argentino. Pp 451. II Reunión Binacional de Ecología, XXI Reunión Argentina de Ecología, XI Reunión de la Sociedad de Ecología de Chile. Mendoza, Argentina, October 31- November 5, 2004.
- Gürtler R.E., Cecere M.C., Schachter-Broide J., **Vazquez-Prokopec G.M.**, Kitron U. Eco-Epidemiology of Chagas Disease in Northwestern Argentina: application of fine resolution satellite data and wing geometric morphometry to spatial analysis and control. Pp. 192. IX European Multicolloquium of Parasitology. Valencia, Spain, July 18-23, 2004.
- Cecere M.C., **Vazquez-Prokopec G.M.**, Gürtler R.E., Kitron U. Temporal-spatial analysis of reinfestation by *Triatoma infestans* (Hemiptera: Reduviidae) after blanket insecticide spraying

in a rural community, Argentina. *IX European Multicolloquium of Parasitology. Valencia, Spain, July 18-23, 2004.*

Vazquez-Prokopec G.M., Cecere M.C., Canale D.M., Gürtler R.E., Kitron U. Spatial patterns of community reinfestation by *Triatoma guasayana* (Heteroptera: Reduviidae) in rural northwestern Argentina. *IX European Multicolloquium of Parasitology. Valencia, Spain, July 18-23, 2004.*

Cecere M.C., Gürtler R.E., **Vazquez-Prokopec G.M.**, Kitron U. Un Sistema de Información Geográfica para el control y vigilancia de *Triatoma infestans*, vector del Mal de Chagas, en áreas rurales del noroeste argentino. Pp 76. *XX Reunión Científica Anual. Sociedad Argentina de Protozoología, Rosario, Argentina. May 26-28, 2004.*

Vazquez-Prokopec G.M., Cecere M.C., Canale D.M., Gürtler R.E., Kitron U. Patrón espacial de la reinfestación de una comunidad por *Triatoma guasayana* (Heteroptera: Reduviidae) en el Noroeste de la Argentina. Pp 95. *XX Reunión Científica Anual. Sociedad Argentina de Protozoología, Rosario, Argentina. May 26-28, 2004.*

2003 Kitron U, Clennon J, Gürtler R, King C, Cecere C, **Vazquez-Prokopec G**, Thornhill J, Beck L. Application of fine resolution satellite data to spatial analysis and control of infectious diseases: Chagas disease in Argentina and Schistosomiasis in Kenya. *Interamerican Workshop on the Use of Remote Sensing to Control Infectious Diseases. Rio de Janeiro, Brasil, November 19-21, 2003.*

Cecere M.C., **Vazquez-Prokopec G.M.**, Gürtler R.E., Kitron U. Aplicación de Sistemas de Información Geográfica, imágenes satelitales y estadística espacial para estudiar la ecología y control de *Triatoma infestans*. *XIX Reunión Científica Anual. Sociedad Argentina de Protozoología. Chascomus, Argentina, June 26- 28, 2003.*

Lauricella M.A., Cardinal M.V., Marcel P.L., Ceballos L.A., **Vazquez-Prokopec G.M.**, Gürtler R.E. Seroprevalencia y aislamiento de *Trypanosoma cruzi* a partir de mamíferos y triatomíneos domésticos o peridomésticos en el noroeste argentino. *XIX Reunión Científica Anual. Sociedad Argentina de Protozoología. Chascomus, Argentina, June 26- 28, 2003.*

Vazquez-Prokopec G.M., Ceballos L.A., Gürtler R.E., Kitron U. Dispersión activa de *Triatoma infestans* en el noroeste de Argentina. *XIX Reunión Científica Anual. Sociedad Argentina de Protozoología. Chascomus, Argentina, June 26- 28, 2003.*

2002 Marcet P., Ceballos L.A., **Vazquez-Prokopec G.M.**, Cecere M.C., Gürtler R.E. Estado nutricional y frecuencia de alimentación de *Triatoma guasayana* y *Triatoma garciabesi* (Heteroptera, Reduviidae) en peridomicilios rurales del noroeste de la Argentina. pp. 449. *V Congreso Argentino de Entomología. Buenos Aires, Argentina, 18-22 de marzo de 2002.*

Ceballos L.A., **Vazquez-Prokopec G.M.**, Cecere M.C., Gürtler R.E. Estado nutricional, frecuencia de alimentación y probabilidad de vuelo de *Triatoma infestans* (Heteroptera, Reduviidae) en ecotopos peridomésticos rurales del noroeste argentino. Buenos Aires, 18-22 de marzo de 2002. pp. 431. *V Congreso Argentino de Entomología. Buenos Aires, Argentina, 18-22 de marzo de 2002.*

Vazquez-Prokopec G.M., Ceballos L.A., Cecere M.C., Gürtler R.E. Variación estacional de las condiciones microclimáticas del hábitat domiciliario y peridoméstico de *Triatoma infestans* (Hemiptera: Reduviidae) en el noroeste de Argentina pp. 471. *V Congreso Argentino de Entomología. Buenos Aires, Argentina, 18-22 de marzo de 2002.*

2001 Gürtler R.E., Cecere M.C., **Vazquez-Prokopec G.M.**, Ceballos L.A., Kitron U. Spatial determinants of household infestation by *Triatoma infestans*, vector of Chagas disease in three villages in Argentina. *Annual meeting of the Entomological Society of America. Los Angeles, USA, December 10-15, 2001*

Ceballos L.A., **Vazquez-Prokopec G.M.**, Cecere M.C., Gürtler R.E. Estado nutricional y frecuencia de alimentación de *Triatoma infestans*, vector del Mal de Chagas, en ecotopos peridomésticos: resultados preliminares. Pp. 78. *I Reunion Binacional de Ecología. XX Reunion*

Argentina de Ecología. X Reunión de la Sociedad de Ecología de Chile. Bariloche, Argentina, 10-15 April, 2001.

- 2000** Ceballos L.A., **Vazquez-Prokopec G.M.**, Stariolo R., Canale D.M., Gürtler R.E. Ensayo de una ovitrampa para *Triatoma infestans* en corrales experimentales bajo condiciones naturales. *Medicina* 60(3): 49 XVIII Reunión de la Sociedad Argentina de Protozoología y Enfermedades Parasitarias, y II Congreso Argentino de Redes de Laboratorio, Huerta Grande, Argentina, October 25-28, 2000 .
- Vazquez-Prokopec G.M.**, Ceballos L.A., Stariolo R., Canale D.M., Gürtler R.E. Uso de corrales experimentales para estudiar la dinamica poblacional de *Triatoma infestans* (hemiptera: reduviidae) bajo condiciones naturales. *Medicina* 60(3): 49. XVIII Reunión de la Sociedad Argentina de Protozoología y Enfermedades Parasitarias, y II Congreso Argentino de Redes de Laboratorio, Huerta Grande, Argentina, October 25-28, 2000 .
- Gürtler R.E., **Vazquez-Prokopec G.**, Ceballos L., Lund Petersen C., Salomón O.D. A longitudinal paired trial of two sensing devices for detecting peridomestic populations of *Triatoma infestans* (Hemiptera: Reduviidae) in rural northwestern Argentina. Abstracts book II trabajo N° 2925 pp. 738. XXI International Congress of Entomology, Foz do Iguaçu, Brazil , August 20-26, 2000.
- 1999** Gürtler R.E., **Vazquez-Prokopec G.M.**, Ceballos L., Lund Petersen C., Salomón O.D. Ensayo de campo de un sensor peridoméstico para detectar la presencia de *Triatoma infestans*. *Medicina* vol 59- supl III, 1999. XVII Reunión de la Sociedad Argentina de Protozoología y Enfermedades Parasitarias, y I Congreso Argentino de Redes de Laboratorio, Colón, Argentina, Setember 30 to October 2, 1999.

Scientific Meetings and Workshops (Ψparticipant but not presenter)

- 2016** World Health Organization. Emergency response consultation on new vector control tools for control of Zika virus. March 14-15, 2016. Geneva, Switzerland. (brought in to talk about contact tracing and indoor residual spraying for dengue epidemic management).
- International Meeting for the validation of novel alternatives to *Ae aegypti* control in the national program of dentue virus in Brazil. Brazilia 17-18 Feb, 2016 (meeting organized by Brazil's Health Minister to identify novel tools to contain Zika virus epidemics).
- 2015** Integrating Prediction and Forecasting Models for Decision-Making: Dengue Epidemic Prediction. White House Office of Science and Technology Policy (2015)
- ΨAtlanta Cities Project, Second Collaborative Planning Workshop. The Nature Conservancy in Georgia. October 13, 2015.
- ΨPartnership for dengue control (PDC) strategic meeting. Annecy, France, February 1-2, 2015.
- DENTARGET meeting to identify models for spatially targeting interventions against dengue. Natal, Brazil, April 13-17, 2015.
- 2014** ΨIntegrating Prediction and Forecasting Models for Decision-Making: Dengue Epidemic Prediction. White House Office of Science and Technology Policy (2014)
- 2011** **Organizer** of Scientific Workshop “Quantification of Fine Scale Human Movement: Revisiting statistical and mathematical approaches” sponsored by US NIH/DoD Research

and Policy for Infectious Disease Dynamics (RAPIDD) initiative. Atlanta, GA, November 16-17, 2011.

- A Re-Emerging Challenge: New Opportunities for Dengue Research Collaboration, sponsored by the National Institute of Allergy and Infectious Diseases (NIAID), San Juan, Puerto Rico, February 15-18, 2011.
- 2010** ΨSpecialist meeting: Spatio-Temporal Constraints on Social Networks. Organized by the National Science Foundation and the Army Research Office. Santa Barbara, CA, December 13-14.
- Scientific Workshop on Linking Large-scale Spatiotemporal Data to Process-based Models of Vector-borne Disease organized by the US NIH/DoD Research and Policy for Infectious Disease Dynamics (RAPIDD) initiative. Washington, DC, February 22-23.
- Scientific Workshop on Movement and Spatial Dynamics of Mosquito-Transmitted Diseases organized by the US NIH/DoD Research and Policy for Infectious Disease Dynamics (RAPIDD) initiative. Washington, DC, January 25-27.

- 2009** Bill and Melinda Gates Foundation annual project meeting on the application of mathematical models to assess the population dynamics of Wolbachia-transformed *Aedes aegypti* mosquitoes. Cairns, Australia, December 18-22.
- 2005** Emerging Infectious Diseases Network annual meeting. Washington DC, December 16, 2005.

Research Outreach – Multimedia Presentations

- 2016** “In the face of Zika, Southeast Asia sees grounds for cautious hope”. October 18, The Washington Post. https://www.washingtonpost.com/world/asia_pacific/in-the-face-of-zika-southeast-asia-sees-grounds-for-cautious-hope/2016/10/14/3b577b10-8f15-11e6-a6a3-d50061aa9fae_story.html#comments
- “Chasing fire: Fever and human mobility in an epidemic” Jul 20, 2016 – Emory Health Sciences. <http://esciencecommons.blogspot.com/2016/07/chasing-fire-fever-and-human-mobility.html>
- “Zika virus not causing outbreaks in continental U.S.” USA Today. Jan 28, 2016. <http://www.usatoday.com/story/news/2016/01/28/who-warns-zika-spread/79451430/>
- “Why Zika may not be a big deal in America”. Atlanta Journal Constitution. Feb 1, 2016. <http://www.ajc.com/news/travel/why-zika-may-not-be-big-deal-america/nqGnm/>
- 2015** “Pioneering the Science of Disease Forecasting”. Emory University, Office of the Provost newsletter. <http://provost.emory.edu/news-events/news/2015/october/disease.html>
- “Courageous Inquiry 3.0: New Facts of Life”. Emory University, Office of the Provost. <http://provost.emory.edu/strategies/stories/2015/spring/life-sciences.html>
- 2014** “Chikungunya Virus spreads in Americas, enters U.S. via travelers”. Emory eScience Commons: http://news.emory.edu/stories/2014/06/esc_mosquito_virus/campus.html
- “Sewer upgrade flushes West Nile virus vector from Atlanta stream”. Emory eScience Commons: <http://esciencecommons.blogspot.com/2014/05/sewer-upgrade-flushes-west-nile-vector.html?spref=tw>

- “Dengue study to focus on asymptomatic carriers”. Emory eScienceCommons:
<http://esciencecommons.blogspot.com/2014/04/dengue-study-to-focus-on-asymptomatic.html>
- 2013 “Human mobility data may help curb urban epidemics” Emory eScienceCommons.
<http://esciencecommons.blogspot.com/2013/04/human-mobility-data-may-help-curb-urban.html>
- “How the Dengue Virus Makes a Home in the City”. Emory Report:
http://news.emory.edu/stories/2013/01/esc_dengue_fever_makes_home_in_city/campus.html
- 2012 “Mosquitoes Return in Force” Atlanta Journal Constitution, 04/24/2012.
<http://www.ajc.com/lifestyle/mosquitoes-return-in-force-1425432.html>
- 2011 “Insect Catcher Lightens the Load for Researchers Battling Mosquito-Borne Illnesses” in *The Better World Project*. http://www.betterworldproject.org/documents/AUTM11BWR_FNL.pdf
- 2010 Kitron U. and **Vazquez-Prokopec G.M.** 2010, GIS, Remote Sensing and Spatial Analysis for Vector-borne Diseases, in Edman, J. (ed.), Vector-Borne Diseases. The Biomedical & Life Sciences Collection, Henry Stewart Talks Ltd, London (<http://hstalks.com/?t=BL1182707-Kitron>).
- “Mosquito Monitoring Saves Lives and Money.” Emory Report, November 02, 2010.
http://www.emory.edu/EMORY_REPORT/stories/2010/10/25/research_mosquitoes.html
- “Sewage raises mosquito risk.” Emory eScienceCommons.
<http://esciencecommons.blogspot.com/2010/06/sewage-raises-west-nile-virus-risk.html>
- “Mosquito hunter. Program: Inside Africa, CNN.” On air worldwide, Feb 09.
<http://edition.cnn.com/video/#/video/international/2010/02/09/inside.africa.mosquito.hunt.bk.b.cnn>
- “Mosquito surveillance on the cheap.” Futurity.org. <http://www.futurity.org/health-medicine/mosquito-surveillance-on-the-cheap/>
- “Do-it-yourself mosquito vacuum.” Discovery News. Online, Jan 07.
<http://news.discovery.com/animals/do-it-yourself-mosquito-vacuum.html>
- 2009 “Mosquito vacuum helps monitor diseases.” Emory University eScienceCommons.
<http://www.youtube.com/watch?v=lshurCNmS-Q>

Scientific Societies

American Society of Tropical Medicine and Hygiene • Georgia Mosquito Control Association • American Committee of Medical Entomology (ACME).

Student Mentoring

Graduate Students

Current PhD

Marissa Grossman (PBEE, 2013-present), dissertation title: “Ecological dynamics of insecticide resistance maintenance and propagation in *Aedes aegypti* populations in the Yucatán State”.

Joseph R. McMillan (PBEE, 2014-present), dissertation title: “The ecology of multiple vector species West Nile virus transmission”

Katherine Schaber (PBEE, 2015-present), dissertation title: TBD

Past PhD

Sarah Guagliardo (PBEE, co-mentored with Uriel Kitron), dissertation title: “Patterns and Mechanisms of the Geographic Expansion of *Aedes aegypti* in the Peruvian Amazon”. Graduation: March 2015.

Michele Parsons (PBEE, co-mentored with Thomas Gillespie), dissertation title: “Effects of Anthropogenic Disturbance on Zoonotic Pathogen Transmission in People, Wild Primates and Domesticated Animals in the Greater Gombe Ecosystem, Tanzania”. Graduation: March 2015.

MPH (by academic year)

- Current** **MPH thesis mentor.** Sarah Witter. Thesis title: “Human biting rate by the mosquito *Aedes albopictus* in Atlanta, GA”. Department of Epidemiology, Rollins School of Public Health.
- MPH thesis mentor.** Lindsay Gray. Thesis title: “Indoor residual spraying and insecticide resistance in *Aedes aegypti* from Merida, Yucatan”.
- MPH thesis mentor.** Zachary Heth. Thesis title: “Quantifying the role of fever and disease severity in ambulatory febrile patients from Iquitos, Peru”.
- 2014-2015** **MPH thesis mentor.** Christopher Hoover. Thesis title: “Avian functional diversity and the risk of West Nile virus”. Department of Environmental Health, Rollins School of Public Health.
- MPH thesis mentor.** Nicole Dzuris. Thesis title: “Fitness costs associated with insecticide resistance in *Aedes aegypti* mosquitoes”. Department of Environmental Health, Rollins School of Public Health.
- MPH capstone project mentor.** Jordan Smith. Project title: “Dengue in Guatemala: a spatial analysis of sentinel surveillance data in the department of Santa Rosa”. Department of Environmental Health, Rollins School of Public Health.
- 2012-2013** **MPH thesis mentor.** Regan Deming. Thesis title: “Quantifying the spatial heterogeneity of insecticide resistance in *Aedes aegypti* in five dengue endemic towns in Yucatan, Mexico”. Department of Environmental Health, Rollins School of Public Health.
- MPH research mentor.** Andrea Lund. Project title “Long term impacts of Combined Sewer Overflow systems on urban waterways of Atlanta, GA”. Graduate in Residence program. Department of Global Health, Rollins School of Public Health.
- MPH thesis mentor.** Genevieve LaCon. Thesis title “Spatial distribution of *Aedes aegypti* and risk of dengue virus transmission in urban Iquitos, Peru”. Graduate in Residence program. Department of Environmental Health, Rollins School of Public Health.
- MPH thesis mentor.** Karen Wu. Thesis title “Blood source of urban *Culex quinquefasciatus* mosquitoes”. Department of Global Health, Rollins School of Public Health.
- 2011-2012** **Masters research mentor.** John Elvis Ramires-Paredes (University of the Peruvian Amazon, Loreto, Peru). Master’s thesis in Biology. Title: Spatio-temporal analysis of *Ae. aegypti* distribution in urban Iquitos, Peru.

- 2010 **Project advisor.** Joseph McMillan (BSc- UGA). Project title “Host Selection and Feeding Success of *Culex quinquefasciatus* in Experimental Trials”. Performed during summer 2010.
- 2009 **MPH thesis mentor.** Anu Rajasingham. Project title “Spatial analysis of malaria incidence in Papua Nueva Guinea: 2003-2007. Graduate in Residence program. Department of Environmental and Occupational Health (EOH), Rollins School of Public Health. Spring 2009.

Undergraduate Students

- 2016 Laila Atalia. **Undergraduate Honors Thesis Committee member.**
- 2015 **Undergraduate Research Advisor (ENVS299-499).** Ryan Myers, Alex Shim, Remy Landon, Rebecca Park, Maddy Hoeninghausen, William Kobal.
- 2014 **Undergraduate Research Advisor (ENVS299-499).** Anna Jeter, Leah Goldstein, Lucy Pyle.
- 2013 Kristen Cross. **Undergraduate Honors Thesis Committee member.**
Whitney Pennington. **Undergraduate Honors Thesis advisor.** Project title: Salmonellosis and other pathogens infecting passerine birds across an urbanization gradient.
Whitney Pennington. **Phi Beta Kappa student.**
- 2012 **Undergraduate Research Advisor (ENVS299-499).** Whitney Pennington (Project: *Salmonella* spp. infection in urban passerine birds); Lois Chang (Project: Water quality and mosquito infestation in Atlanta creeks).
Emma Accorsi. **Phi Beta Kappa student.**
- 2011 Emma Accorsi. **Summer Undergraduate Research Program at Emory (SURE) Advisor.** Project title: “Infrared Recording and Quantification of Individual and Collective Behaviors within Mosquito Swarms”. Summer 2011. Third Prize in best summer project category.
- 2010 **Undergraduate Research Advisor (ENVS299-499).** Frances Kim (Project: Wing size variation due to diet changes in *Aedes albopictus* mosquitoes); Bryant Jones (Project: Spatial distribution of storm drains and overwintering *Culex quinquefasciatus* mosquitoes in Grant Park, Atlanta); Kevin Lanza (Project: Quantification of invertebrate fauna associated with Combined-Sewage Overflow creeks).
Parisa Nourani. **Undergraduate Honors Thesis advisor.** Project title: “Assessing the accuracy of location-aware technologies to track human mobility patterns in economically disadvantaged urban environment”. Academic year 2010. Grade: “Highest honors”.
Miho Yoshioka. **Undergraduate Honors Thesis advisor.** Project title “Fitness effects of oviposition site selection in the mosquito *Aedes albopictus*”. Academic year 2010. Grade: “Highest honors”.
- 2009 Gouthami Rao. **Undergraduate research fellowship advisor.** Project title: “Human health effects of urban waterways of Atlanta: a microbiological assessment”. Scholarly Inquiry and Research at Emory (SIRE) fellow. Fall 2009.
Ellen Hill. **Undergraduate research fellowship advisor.** Project title: “Knowledge, Attitudes and Practices towards West Nile Virus avoidance in Urban Atlanta, GA”. Scholarly Inquiry and Research at Emory (SIRE) fellow. Fall 2009.
Abdurrahman Bouzid. **Undergraduate research fellowship advisor.** Project title: “Overwintering of West Nile Virus (WNV) in *Culex pipiens* mosquitoes in Combined

Sewage Overflow (CSO) tunnels (Atlanta, GA)”. Scholarly Inquiry and Research at Emory (SIRE) fellow. May 2008- April 2009.

- 2008** Gregory Decker. **Undergraduate research fellowship advisor**. Project title: “Water Quality and Mosquito Larvae Abundance in a Combined Sewer Overflow (CSO) Stream in Atlanta, Georgia”. Scholarly Inquiry and Research at Emory (SIRE) fellow. June 2008 – December 2008.

Advanced Training

- 2009** ISPSR summer school. University of Bloomington, Indiana. “Network Analysis: Theory and Methods”. Bernice Pescosolido, Stanley Wasserman.
Fogarty International Center – Sponsored Grant Writing Workshop. New Orleans, LA, December 6-7, 2008.
- 2008** Larval mosquito ID course. Professor: Parker Whitt. Centers for Disease Control and Prevention, Atlanta, GA.
- 2007** Economic analysis applied to the prevention of Chagas disease and Dengue. Professor: Amparo Gordillo-Tobar (Pan American Health Organization), Buenos Aires, Argentina.