CURRICULUM VITAE

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ACADEMIC TRAINING:

1972 - 75 B.Sc. Hebrew University, Jerusalem, Israel. Biology.
1976 - 81 Ph.D. University of California, Santa Barbara, USA. Biological Sciences. Ecology, Parasitology.
1981 - 82 M.P.H. University of Michigan, Ann Arbor, Michigan, USA. Epidemiology.

PROFESSIONAL HISTORY:

2013 - Goodrich C. White Professor, Department of Environmental Sciences, Emory University
2008-2017 Chair, Department of Environmental Sciences, Emory University

2008 - Professor – Program in Behavior, Ecology and Evolution (PBEE), Environmental Health, Rollins School of Public Health Epidemiology, Rollins School of Public Health

2009-2015 Research and Policy for Infectious Disease Dynamics (RAPIDD) program of the Science and Technology Directorate, U.S. Department of Homeland Security, and the Fogarty International Center, NIH. **IPA agreement**

2008 - Adjunct Professor, Pathobiology, University of Illinois at Urbana-Champaign

1996-2008 Professor, Division of Epidemiology & Preventive Medicine
Department of Pathobiology, College of Veterinary Medicine,
University of Illinois at Urbana-Champaign (UIUC)
(Division Chair, 2003-2008)
Co-Director, Center for Zoonoses Research, CVM, UIUC
Professor, Department of Community Health, UIUC
Professor, Program in Ecology, Evolution and Behavior (PEEB), UIUC
Affiliate, Department of Animal Biology, UIUC
Affiliate Professional Scientist, Illinois Natural History Survey.

2014-2017 Distinguished Visiting Researcher, Science without Borders, Fundação Oswaldo Cruz, and Federal University of Bahia, Salvador, Brazil
2003-2004 Fulbright Fellow, University of Buenos Aires, Argentina
(July-Aug. 2003, Dec 2003-Jan. 2004)
1996-2003 Chair, Division of Epidemiology & Preventive Medicine

1996-97	Lady Davis Visiting Associate Professor. Hebrew University, Israel
1992-95	Associate Professor, Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Illinois at Urbana-Champaign
1991-92	Head, Department of Pest Surveillance and Control, Ministry of the Environment, Jerusalem, Israel
1986-92	Assistant Professor of Epidemiology, Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Illinois at Urbana-Champaign
1985-86	Takemi Fellow in International Health, Harvard School of Public Health, Boston
1983-85	Researcher, The Kuvin Centre for the Study of Infectious and Tropical Diseases, Hebrew University - Hadassah Medical School, Jerusalem, Israel
1983	Lecturer Adjunct and Assistant Research Biologist, University of California, Santa Barbara (Parasitology)
1981-82	Research Assistant. University of Michigan, Ann Arbor (Environmental Health)
1977-81	Teaching Assistant. University of California, Santa Barbara (Parasitology, Ecology, Biometry, Genetics).

TASKFORCES, PANELS, CONSULTANTSHIPS:

1987-2008	Illinois Department of Public Health – Lyme disease, West Nile fever, LaCrosse encephalitis
1987 - 89	Pan American Health Organization/World Health Organization
1990 - 91	College of Veterinary Medicine - Turin, Italy
1990	National Academy of Science - Institute of Medicine
1992	TAHAL Consulting Engineers - Israel, Nigeria
1996	NAFTA Commission on Environmental Cooperation - Mexico City
1996 -	World Wildlife Fund, Washington, D.C.
1998 - 99	WHO/PEEM Temporary Advisor
1998 -	Biomedware, Ann Arbor, MI (GeoMed project - Spatial epidemiology; Exposure Assessment using High Spatial resolution Hyperspectral imagery)
2000-	NASA Earth Science Enterprise, Applications Division, Program Planning and Analysis (PP&A), Environmental Assessment Panel
2000-	Conservation Medicine Center of Chicago, Research Committee Member
2000-	UCGIS/USGS Geographic information science and vector-borne disease colloquia, Program Committee
2001	NIH SNEM study section, Geographic-based research in cancer control and epidemiology.
2002	Northeast Health-Environment Alliance, Pennsylvania State University
2002	NIH Special Emphasis Panel, U.S. Based Collaboration in Emerging Viral and Prion Diseases
2002-3	Vice-president, Society for Vector Ecology
2003-	Brown Tree snake Biocontrol Panel, USGS
2003-4	President elect, Society for Vector Ecology
2004-8	NASA's Socioeconomic Data and Applications Center (SEDAC), CIESIN (Center for International Earth Science Information Network), Columbia University, NY. Advisory Board--User Working Group
2004	NSF's program on the National Ecological Observatory Network (NEON) Ecology and Evolution of Infectious Diseases Working group.

2005	President, Society for Vector Ecology
2005-8	American Committee on Medical Entomology Executive Council.
2005-9	NIH IRAP Study Section
2008-10	EFSA – European Food Safety Authority, Working Group on Statistical Analysis of Temporal and Spatial Trends of Zoonotic Agents in Animals and Food.
2009 -	Steering Committee, EPISTIS - EPISTIS: Remote Sensing tools to study the EPIdemiology and Space/TIme dynamicS of diseases. Université Libre de Bruxelles, Belgium
2009 -	Mosquito Working Group, Research and Policy for Infectious Disease Dynamics (RAPIDD) program of the Science and Technology Directorate, U.S. Department of Homeland Security, andthe Fogarty International Center, NIH.
2009-10	NASA GEO (Group on Earth Observations) GEO Task US-09-01 Task Force: Critical Earth Observations Priorities. Health Societal Benefit Area: Infectious Diseases.
2010-12	NSF NEON (National Earth Observatory Network) Research Coordination Network (RCN): Forecasts Of Resource and Environmental Changes: data Assimilation Science and Technology (FORECAST) Infectious Diseases. Working Group Member

ADVANCED TRAINING:

1985 - 86	International Health. Takemi Program, Harvard School of Public Health, Boston
July 1990	Medical and Veterinary Acarology. Acarology Summer Program, Department of Entomology, Ohio State University, Columbus, OH.
May 1995	Molecular Biology Workshop. College of Veterinary Medicine, UIUC, IL
July 1996	Trimble GPS (Global Positioning System) Pro XL Training Seminar.

REFEREED PUBLICATIONS:
https://scholar.google.com/citations?user=FQbMVeQAAAAJ&hl=en
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1980 Kitron UD. The pattern of infestation of the beach-hopper amphipod *Orchestoidea corniculata* by a parasitic mite. **Parasitology** 81: 235-249.

1985 Kitron UD, Higashi GI. *Schistosoma haematobium* in upper Egypt: Analysis of dispersion patterns. **American Journal of Tropical Medicine and Hygiene** 34: 331-340.

1985 Pener H, Kitron U. The distribution of mosquitoes in northern Israel: a historical perspective. I. Anopheline mosquitoes. **Journal of Medical Entomology** 22: 536-543.

1985 Pener H, Kitron U. Spatial and temporal changes in the distribution of *Anopheles sacharovi* in Israel. **Israel Journal of Medical Sciences** 21: 850-852.

1985 Kitron U, Nudelman S. The mosquito fauna of the Huleh Reserve in northern Israel: Species composition, seasonal patterns, and habitat preferences. **Israel Journal of Entomology** 19: 101-110.

1986 Kitron, U. and H. Pener. The distribution of mosquitoes in northern Israel: a historical perspective. II. Culicine mosquitoes. **Journal of Medical Entomology** 23: 182-187.

1987 Kitron U. Malaria, agriculture, and development: Lessons from past campaigns. **International Journal of Health Services** 17: 295-326.

1988 Nudelma, S., Galun R, Kitron U, Spielman A. Physiological characteristics of

Culex pipiens populations in Israel. **Medical and Veterinary Entomology** 2: 161-169.

1989 Kitron U, Spielman A. Suppression of transmission of malaria through source reduction; antianopheline measures applied in Israel, the United States and Italy. **Reviews of Infectious Diseases** 11: 391-406.

1989 Kitron UD, Webb DW, Novak RJ. Oviposition behavior of *Aedes triseriatus* (Diptera: Culicidae): Prevalence, intensity and aggregation of eggs in oviposition traps. **Journal of Medical Entomology** 26: 462-467.

1990 Bouseman JK, Kitron UD, Kirkpatrick CE, Siegel JP, Todd KS. The status of *Ixodes dammini* and Lyme disease in Illinois. **Journal of Medical Entomology** 27: 556-560.

1991 Siegel JP, Kitron U, Bouseman JK. Spatial and temporal distribution of *Ixodes dammini* (Acari: Ixodidae) in a northwestern Illinois state park. **Journal of Medical Entomology** 28:101-104.

1991 Braverman Y, Kitron U, Killick-Kendrick R. Attractiveness of vertebrate hosts to *Culex pipiens* (Diptera: Culicidae) and other mosquitoes in Israel. **Journal of Medical Entomology** 28: 133-138

1991 Kitron U, Bouseman JK, Jones CJ. Use of the ARC/INFO GIS to study the distribution of Lyme disease ticks in an Illinois county. **Preventive Veterinary Medicine** 11: 243-248.

1991 Nelson JA, Bouseman JK, Kitron U, Callister SM et al. Isolation and characterization of *Borrelia burgdorferi* from Illinois *Ixodes dammini*. **Journal of Clinical Microbiology** 29: 1732-1734.

1991 Kitron U, Jones CJ Bouseman Jk. Spatial and temporal dispersion of immature *Ixodes dammini on Peromyscus leucopus* in northwestern Illinois. **Journal of Parasitology** 77: 945-949.

1992 Kitron U, Jones CJ, Bouseman JK, Nelson JA, Baumgartner DB. Spatial Analysis of the distribution of *Ixodes dammini* (Acari: Ixodidae) on white-tailed deer in Ogle County, Illinois. **Journal of Medical Entomology** 29: 259-266.

1993 Mannelli AKitron U, Jones CJ, Slajchert TL The role of the eastern chipmunk (*Tamias striatus*) as a host for immature *Ixodes dammini* (Acari: Ixodidae) in northwestern Illinois. **Journal of Medical Entomology** 30: 87-93.

1993 Spielman A, Kitron U, Pollack RJ. Time limitation and the role of research in the world-wide attempt to eradicate malaria**. Journal of Medical Entomology** 30: 6-19.

1993 Mannelli A, Kitron U, Jones CJ, Slajchert TL. *Ixodes dammini* (Acari: Ixodidae) infestation on medium-sized mammals and blue jays in northwestern Illinois. **Journal of Medical Entomology** 30: 950-952.

1994 Pener H, Orshan L., Kitron U, Shalom U. The unexpected presence of four malaria vectors in southern Israel. **Israel Journal of Medical Sciences** 30: 287-288.

1994 Kitron U, Pener H, Costin C, Orshan L, Greenberg Z, Shalom U. Geographic information systems in malaria surveillance: mosquito breeding and imported cases in Israel. **American Journal of Tropical Medicine and Hygiene** 50: 550-556.

1994 Mannelli A, Kitron U, Jones CJ, Slajchert TL. Influence of season and habitat on *Ixodes scapularis* infestation on white-footed mice in northwestern Illinois**. Journal of Parasitology** 80: 1038-1042.

1995 Weigel RM, Dubey JP, Siegel AM, Hoefling D, Reynolds D, Herr L, Kitron UD, et al. Prevalence of antibodies to *Toxoplasma gondii* in swine in Illinois in 1992. J**ournal of the American Veterinary Medical Association** 206: 1747-1751.

1995 Weigel RM, Dubey JP, Siegel AM, Kitron UD, Mannelli A, et al. Risk factors for the transmission of *Toxoplasma gondii* on swine farms in Illinois. **Journal of Parasitology** 81: 736-741.

1995 Dubey JP., R.M. Weigel, A.M. Siegel, P. Thulliez, U.D. Kitron, et al. Sources and reservoirs of *Toxoplasma gondii* infection on 47 swine farms in Illinois. **Journal of Parasitology** 81: 723-729.

1996 Smith RD, Paul AJ, Kitron UD, Philip JR, et al. The impact of an orally-administered insect growth regulator (Lufenuron) on flea infestations in a controlled simulated home environment. **American Journal of Veterinary Research**. 57: 502-504.

1996 Kitron U, Otieno LH, Hungerford LL, Odulaja A, Brigham WA, Okello OO, Joselyn M, Mohamed-Ahmed MM, Cook E. Spatial analysis of the distribution of tsetse flies in the Lambwe Valley, Kenya, using TM satellite imagery and GIS. **Journal of Animal Ecology** 65: 371-380.

1997 Slajchert T, Kitron U, Jones CJ, Mannelli A. Role of the eastern chipmunk (*Tamias striatus*) in the epizootiology of Lyme borreliosis in northwestern Illinois, USA. **Journal of Wildlife Diseases** 33: 40-46.

1997 Kitron U, Kazmierczak J. Spatial analysis of the distribution of Lyme disease in Wisconsin. **American Journal of Epidemiology** 145: 558-566.

1997 Garber PA, Kitron U. Seed swallowing in Tamarins: evidence of a curative function or enhanced foraging efficiency? **International Journal of Primatology** 18:523-537.

1997 Kitron U, Michael J, Swanson J, Haramis L. Spatial analysis of the distribution of LaCrosse encephalitis in Illinois. **American Journal of Tropical Medicine and Hygiene**. 57: 469-475.

1997 Israeli N, Yuval B, Kitron U, Nestel D. Population fluctuations of adult Mediterranean Fruit Flies (Diptera: Tephritidae) in a Mediterranean heterogeneous agricultural region. **Environmental Entomology**. 26: 1263-1269.

1998 Kitron U. Landscape ecology and epidemiology of vector-borne diseases: tools for spatial analysis. **Journal of Medical Entomology**. 35: 435-445.

1998 Kitron U, Swanson J, Crandell M, Sullivan PJ, Anderson J, Garro R, Haramis LD and Grimstad PR. Introduction of *Aedes albopictus* into a La Crosse virus enzootic site in Peoria, Illinois. **Emerging Infectious Diseases** 4: 627-630.

1999 Chadee DD, Kitron U. Malaria surveillance in Trinidad: imported cases and risk of outbreaks. **American Journal of Tropical Medicine and Hygiene** 61: 513-517.

2000 Jones CJ, Kitron UD. Populations of *Ixodes scapularis* (Acari: Ixodidae) are modulated by drought at a Lyme disease focus in Illinois. **Journal of Medical Entomology** 37: 408-415.

2000 Swanson J, Lancaster M, Anderson J, Crandell M, Haramis L, Grimstad P, Kitron U. Overwintering and establishment of *Aedes albopictus* in an urban La Crosse virus enzootic site in Illinois. **Journal of Medical Entomology**. 37:454-460.

2000 Kitron U. Risk maps: mapping transmission and burden of vector-borne diseases. **Parasitology Today**16: 324-325.

2000 Guerra MA, Walker ED, Kitron U. Quantitative approach for the serodiagnosis of canine Lyme disease by the immunoblot procedure. **Journal of Clinical Microbiology** 38: 2628-2632.

2001 Guerra MA, Walker ED, Kitron U. Canine surveillance systems for Lyme borreliosis in Wisconsin and northern Illinois: geographic distribution and risk factor analysis. **Am. J. Trop. Med. Hygiene** 65: 546-552.

2002 Guerra MA, Walker ED, Jones CJ, Paskewitz S, Cortinas MR, Stancil A, Beck L, Bobo M, Kitron U. Predicting the Risk of Lyme Disease: Habitat Suitability for *Ixodes scapularis* in the North-Central U.S. **Emerging Infectious Diseases** 8: 289-297

2002 Cortinas MR, Guerra MA, Jones CJ, Kitron U. Detection, Characterization, and Prediction of Tick-borne Disease Foci. **International Journal of Medical Microbiology** 291, Suppl. 33: 11-20.

2004 Chadee DD, Williams FLR, Kitron UD. Epidemiology of dengue fever in Trinidad, West Indies: the outbreak of 1998. **Annals of Tropical Medicine and Parasitology** 98:305-12.

2004 Clennon JA, King CH, Muchiri EM, Kariuki HC, Ouma JH, Mungai P and U Kitron. Spatial patterns of Urinary schistosomiasis infection in a highly endemic area of coastal Kenya. **Am. J. Trop. Med. Hygiene.** 70:443-48

2004 Kariuki CH, Clennon JA, Brady MS, Kitron U, Sturrock R, Ouma JH, Ndzovu ST, Mungai P, Hoffman O, Hamburger J, Pellegrini C, Muchiri EM, King CH. Distribution patterns and cercarial shedding of *Bulinus nasutus* and other snails in Msmbweni Area, Coast Province, Kenya. **Am J Trop Med Hygiene** 70:449-56

2004 Vazquez-Prokopec GM, Ceballos LA, Kitron U, Gurtler RE. Active dispersal of natural populations of *Triatoma infestans* (Hemiptera: Reduviidae) in rural northwestern Argentina. **Journal of Medical Entomology.** 41:643-649.

2004 Schachter-Broide J, Dujardin JP, Kitron U, Gurtler RE. Spatial structuring of *Triatoma infestans* (Hemiptera: Reduviidae) from northwestern Argentina using wing geometric morphometry. **Journal of Medical Entomology.** 41:614-621

2004 Ruiz MO, Tedesco C, McTighe T, Austin C, U Kitron. Environmental and Social Determinants of Human Risk during a West Nile virus outbreak in the greater Chicago area, 2002. **International Journal of Health Geography**. 3: 8: 1-11.

2004 Cecere MC, Vazquez-Prokopec GM, Gurtler RE, U Kitron. Spatio-temporal analysis of reinfestation by Triatoma infestans (hemiptera: reduviidae) following insecticide spraying in a rural community in northwestern Argentina. **Am J Trop Med Hygiene** 71: 803-810.

2005 Chadee DD, Williams FLR, Kitron UD. Impact of vector control on a dengue fever in Trinidad, West Indies in 1998. **Tropical Medicine and Int'l Health** 8:748-756.

2005 Vazquez-Prokopec GM, Cecere MC, Gurtler RE, Canale DM, Kitron U. Spatio-temporal patterns of reinfestation by *Triatoma guasayana* (Hemiptera: Reduviidae) in a rural community of northwestern Argentina. **J Medical Entomology** 42: 571-580.

2006 Marcet PL, Lehmann T, Groner G, Gürtler RE, Kitron U, Dotson EM. Identification and characterization of microsatellite markers in the Chagas disease vector *Triatoma infestans* (Heteroptera: Reduviidae). **Infection, Genetics and Evolution 6: 32-37**

2006 Marcet PL, Duffy T, Cardinal MV, Burgos JM, Lauricella MA, Levin MJ, Kitron U, Gürtler RE, Schijman AG. PCR-based screening and typing of *Trypanosoma cruzi* lineages directly from faecal samples of triatomine bugs from northwestern Argentina. **Parasitology** 132: 1-9

2006 Guarevitz JM, Ceballos LA, Kitron U, Gurtler RE. Flight initiation of *Triatoma infestans* (Hemiptera: Reduviidae) under natural climatic conditions. **J Med Entomol** 42: 571-580.

2006 Diuk-Wasser MA, Gatewood AC, Cortinas MR, Yaremych-Hamer S, Tsao J, Kitron U, Hickling G, Brownstein JS, Walker E, Piesman, J, Fish D. Spatiotemporal patterns of host-seeking *Ixodes scapularis* nymphs (Acari: Ixodidae) in the United States. **J Medical Entomol** 43:166-178.

2006 Mushinzimana E, Munga S, Minakawa N, Li L, Feng C, Bian L, Kitron U, Schmidt C, Beck L, Zhou G, Githeko AK. Yan G. Landscape determinants and remote sensing of anopheline mosquito larval habitats in the western Kenya highlands. **Malaria Journal** 5:13, 1-11.

2006 Cardinal MV, Castañera MB, Lauricella MA, Cecere MC, Ceballos L, Vazquez-Prokopec GM,

Kitron U, Gurtler RE. A prospective study of the effects of sustained vector surveillance following community-wide insecticde application on *Trypanosoma cruzi* infection of dogs and cats in rural northwestern Argentina. **Am J Trop Med Hygiene** 75:753-761.

2006 Vazquez-Prokopec G, Ceballos L, MArcet PL, Cecere MC, Cardinal MV, Kitron U, Gurtler RE. Seasonal variations in active dispersal of natural populations of *Triatoma infestans* in rural north-western Argentina. **Med Vet Entomol,** 20: 273-9.

2006 Cecere MC, Vázquez-Prokopec GM, Ceballos LA, Gurevitz JM, Zárate JE, Zaidenberg M, Kitron U, Gürtler RE. Comparative trial of the effectiveness of pyrethroid insecticides against peridomestic populations of *Triatoma infestans* in northwestern Argentina**. J Med Entomol**, 43: 902-9.

2006 Ceballos LA, Cardinal MV, Lauricella MA, Vazquez-Prokopec GM, Orozco MM, Cortinas R, Schijman AG, Levin MJ, Kitron U, Gürtler RE. Long-term reduction of *Trypanosoma cruzi* infection in sylvatic mammals following deforestation and sustained vector surveillance in northwestern Argentina. **Acta Tropica,** 98: 286-96.

2006 Cecere MC, Vazquez-Prokopec G, Gurtler R, Kitron U. Sources of reinfestation for Chagas disease vector, *Triatoma infestans*, Argentina. **EID,** 12: 1096-1102.

2006 Schijman AG, Lauricella MA, Marcet PL, Duffy T, Cardinal MV, Bisio M, Levin MJ, Kitron U, Gurtler RE. Differential detection of Blastocrithidia triatomae and *Trypanosoma cruzi* by amplification of 24salpha ribosomal RNA genes in faeces of sylvatic triatomine species from rural northwestern Argentina. **Acta Tropica**, 99: 50-54.

2006 Cortinas MR, Kitron U. County-level surveillance of white-tailed deer (*Odocoileus virginianus*) infestation by *Ixodes scapularis* and *Dermacentor albipictus* (Acari: Ixodidae) along the Illinois River. **J Med Entomol.** 43: 810-819.

2006 Cardinal MV, Castañera MB, Lauricella MA, Cecere MC, Ceballos LA, Vazquez-Prokopec GM, Kitron U, Gürtler RE. A prospective study of the effects of sustained vector surveillance following community-wide insecticide application on *Trypanosoma cruzi* infection of dogs and cats in rural northwestern Argentina. **Am. J. Trop Med Hyg.** 75: 753-761.

2006 Kitron U, Clennon JA, Cecere MC, Gürtler RE, King CH, Vázquez-Prokopec G. Upscale or downscale: applications of fine scale remotely sensed data to Chagas disease in Argentina and schistosomiasis in Kenya. **Geospatial Health,** 1: 49-58.

2006 Clennon JA, Mungai P, Muchiri EM, King CH Kitron U. Spatial and temporal variations in local transmission of *Schistosoma haematobium* in Msambweni, Kenya. **Am. J. Trop Med Hyg**. 75: 1034-41.

2007 Gurtler RE, Cecere MC, Lauricella MA, Cardinal MV, Kitron U, Cohen JE. Domestic dogs and cats as sources of *Trypanosoma cruzi* infection in rural northwestern Argentina. **Parasitology,** 134: 69-82.

2007 Zu Dohna HM Cecere MC, Gurtler RE, Kitron U, Cohen JE. Re-establishment of local populations of Chagas disease after insecticide spraying. **J Applied Ecology** 44:220-7.

2007 Clennon JA, Muchiri EM, King CH and U Kitron. Hydrological modeling of snail dispersal patterns in Msambweni, Kenya and potential resurgence of *Schistosoma haematobium* transmission. **Parasitology** 134:683-93.

2007 Bertolotti L, Kitron U, Goldberg TL. Diversity and evolution of West Nile virus in Illinois and the United States, 2002-2005. **Virology** 360: 143-9.

2007 Gurevitz JM, Kitron U, Gurtler RE. Flight muscle dimorphism and heterogeneity in flight initiation of field-collected *Triatoma infestans* (Hemiptera: Reduviidae). **J Med Entomol** 44:186-91.

2007 Mulatti PA, Kitron U, Mannelli A, Ferrè N, Marangon S. Spatial analysis of the 1999-2000 highly pathogenic avian influenza (H7N1) epidemic in Northern Italy. **Avian Diseases** 51: 421-4.

2007 Ruiz MO, Walker ED, Foster ES, Haramis LD, Kitron UD. Association of West Nile virus illness and urban landscapes in Chicago and Detroit. **Int J Health Geog**r. 6:1-11.

2007 Cardinal MV, Lauricella MA, Mmarcet PL, Orozcoa MM, Kitron U, Gürtler RE. Impact of community-based vector control on house infestation and *Trypanosoma cruzi* infection in *Triatoma infestans*, dogs and cats in the Argentine Chaco. **Acta Tropica** 103: 201-11.

2007 Gürtler RE,1, Kitron U, Cecere MC, Segura EL, Cohen JE. Sustainable vector control and management of Chagas disease in the Gran Chaco, Argentina. **PNAS** 104:16194-9.

2007 Tarleton RL, Reithinger R, Urbina JA, Kitron U, Gürtler RE. The Challenges of Chagas Disease — Grim Outlook or Glimmer of Hope**. PLoS Medicine** 4: 1852-1857.

2007 Mertz GJ, Kitron UD. Can modeling of fine-scale spatial patterns of environmental markers of zoonotic infections enhance disease prevention and clinical outcomes? **Am J Trop Med Hyg**. 77: 997-8.

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2008 Hamer GL, Walker ED, Brawn JD, Loss SR, Ruiz MO, Goldberg TL, Schotthoefer AM, Brown WM, Wheeler E, Kitron UD. Rapid Amplification of West Nile Virus: The Role of Hatch-Year Birds. **Vector-Borne and Zoonotic Diseases** 8: 57-68.

2008 Bertolotti L, Kitron U, Walker ED, Ruiz MO, Brawn JD, Loss SR, Hamer GL, Goldberg TL. Fine-scale genetic variation and evolution of West Nile Virus in a transmission "hot spot" in suburban Chicago, USA. **Virology** 374: 381-9.

2008 Cardinal MV, Lauricella MA, Ceballos LA, Lanati L, Marcet PL, Levin MJ, Kitron U, Gürtler RE, Schijman AG, Molecular epidemiology of domestic and sylvatic *Trypanosoma cruzi* infection in rural Northwestern Argentina. **International Journal for Parasitology** 38:1533-1543

2008 Gurtler RE, Diotaluti L, U Kitron. Chagas Disease: 100 years since discovery and lessons for the future. **International Journal of Epidemiology**.37: 698-701.

2008 Vazquez-Prokopec GM, Cecere MC, Kitron U, Gurtler RE. Environmental and demographic factors determining the spatial distribution of Triatoma guasayana in peridomestic and semi-sylvatic habitats of rural northwestern Argentina. **Journal of Medical and Veterinary Entomology** 22: 273-282.

2008 Marcet PL, Mora MS, Cutrera AP, Jones L, Gürtler RE, Kitron U, Dotson EM. Genetic structure of *Triatoma infestans* populations in rural communities of Santiago del Estero, northern Argentina. **Infection Genetics and Evolution** 8 :835-846.

2008 Tomassone L, Nuñez P2, Gürtler RE, Ceballos LA, Orozco M, Kitron U, Farber M. Molecular detection of *Ehrlichia chaffeensis* in *Amblyomma parvum* ticks collected in northern Argentina. **Emerging Infectious Diseases**. 14:1953-5

2009 Hamer GL, Kitron UD, Brawn JD, Loss SR, Ruiz MO, Goldberg TL, Walker ED. Host Selection by *Culex pipiens* Mosquitoes and West Nile Virus Amplification. **Am J Trop Med Hyg**. 80: 268-278

2009 Loss SR, Hamer GL, Walker ED, Ruiz MO, Goldberg TL, Kitron UD, Brawn JD. Avian host community structure and prevalence of West Nile virus in Chicago, Illinois. **Oecologia** 115: 415-424.

2009 Gürtler RE, Ceballos LA, Stariolo R, Kitron U, Reithinger R. Effects of topical application of fipronil spot-on on dogs against the Chagas disease vector *Triatoma infestan*s. **Trans Royal Soc Trop Med Hyg** 103: 298-304.

2009 Piccinali RV, Marcet PL, Noireau F, Kitron U, Gürtler RE, Dotson EM. Molecular population genetics and phylogeography of the Chagas disease vector *Triatoma infestans* in South America. **J Med Entomol.** 46: 796-809.

2009 Vazquez-Prokopec GM, Spillmann C, Zaidenberg M, Kitron U, Gurtler RE. Cost-Effectiveness of Chagas Disease Vector Control Strategies in Northwestern Argentina. **PLOS Neglected Tropical Diseases** 3, 1-11. PMID:19156190

2009 Chaves LF, Keogh CL, Vazquez-Prokopec GM, Kitron UD. Combined sewage overflow enhances oviposition of *Culex quinquefasciatus* Say (Diptera: Culicidae) in urban areas. **J Med Entomol** 46: 220-226.

2009 Gatewood AG, Liebman KA, l Vourc'h G, Bunikis J, Hamer SA, Cortinas R, Melton F, Cislo P, Kitron U, Tsao J, Barbour AG, Fish D, Diuk-Wasser MA. Climate and Tick Seasonality Are Predictors of *Borrelia burgdorferi* Genotype Distribution. **Applied and Environmental Microbiology** 75: 2476–2483

2009 Reithinger R, Tarleton RL, Urbina JA, Kitron U, Gürtler RE. Eliminating Chagas disease: challenges and a roadmap. **British Medical Journal** 338: 1044-1046.

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1990 Spielman, A. and U. Kitron. Rationale and conceptual framework for Malaria eradication: A historical overview with an emphasis on time-limitation and the role of research. Invited paper prepared for the Committee on Malaria Prevention and Control, Institute of Medicine, National Academy of Science.

1990 Kitron, U. Agriculture, Water and Malaria. Journal of New World Agriculture 3: 6-7.

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2010 NASA Group on Earth Observations (GEO) Task US-09-01a: Critical Earth Observations Priorities Health Societal Benefit Area: Infectious Diseases. Task Force Member. http://sbageotask.larc.nasa.gov/InfectiousDisease_US0901a-FINAL.pdf

2017 Goldstein M, Kitron U. 'Tire'-d of Zika? Stopping Mosquitos in Their Tracks, RiverCHAT (Summer 2016).

INVITED SPEAKER (1995-):

1995 AIAA/NASA Life Sci. & Space Med. Conf., Houston, TX. "Field and satellite sensing of African trypanosomiasis disease habitats". 3-5 April.

1995 Int. Symp. Comp. Mapping Epid. Env. Health, Tampa, FL. "Surveillance of vector-borne diseases: role of GIS, remote sensing and spatial analysis". 12-15 February.

1995 WHO, Geneva, Switzerland. "Spatial patterns in vector-borne diseases: applications of local and global statistics, GIS and remote sensing to studies of malaria, trypanosmiasis and arboviral encephalitis." 15 September.

1995 McDonough Co. Health Dept. 5th Ann. Vector Sem.. "LaCrosse Virus Case Distribution." 26 September.

1995 SOVE 27th Ann. Meet. Ft. Collins, CO. Invited to organize a symposium titled: "The use of GIS technology for vector surveillance and control." 9 October.

1995 Michigan State University. "Vector-borne diseases in the Midwest." 19 October.

1995 Kuvin Centre for the Study of Tropical and Infectious Diseases, Jerusalem, Israel. "Hot spots for transmission of vector-borne diseases - recognition using satellite images, GIS and spatial analysis." 31 October.

1995 IMVCA 41st Ann. Meet., Champaign, IL. "Distribution of LaCrosse encephalitis and other arboviruses in the upper midwest." 16 November.

1995 1st Cyril Ponnamperuma Int. Symp. Remote Sens. & Vector-borne Disease Monitoring and Control. Baltimore, MD. Session Chair (Agricultural Development). 27-30 Nov.

1996 Expert Consultation on Risk Reduction Options for DDT. NAFTA Committee for Environmental Cooperation Task force on DDT. Mexico City, Mexico. 3-5 June.

1996 VII International Congress on Lyme Borreliosis, San Francisco, CA. Breakout Session on Improving the Efficacy of Education and Vector Control. "How can we better focus the prevention effort?" 20 June.

1996 World Wildlife Fund, Task force on reduction of use of pesticides for public health. "Control of vector-borne diseases ." Washington, D.C., 28-29 Sept.

1997 University of Haifa, Israel. "Ecology of Lyme disease." 2 January.
1997 University of Michigan, Ann Arbor. Seminar series on applications and analysis in spatial information systems. ." Workshop: "Elements of disease surveillance and control" Seminar: "GIS in Public Health: spatial analysis of infectious diseases and their determinants. 4 February.
1997 University of Michigan, Ann Arbor. Gene Higahsi Memorial Lecture: "Bringing space back into epidemiology: GIS, satellite imagery and spatial statistics in infectious disease epidemiology and vector ecology **.** 6 February.
1997 College of Veterinary Medicine, Turin, Italy. "Methods for determination of the spatial distribution of infective diseases." 21 April.
1997 College of Veterinary Medicine, Turin, Italy. Spatial statistics, remote sensing and Geographic information systems in vector ecology and infectious disease epidemiology**.** 22 April.
1997 College of Veterinary Medicine, Pisa, Italy. "Application of epidemiological methods to the study of the spatial distribution of infective diseases." 24 April.
1997 The First International Symposium: The Archaeology of Emerging Diseases. Jerusalem, Israel. Spatial tools to analyze determinants of disease emergence and distribution.18-23 May
1997 2nd International Congress of Vector Ecology, Orlando, FL. "Landscape ecology and remote sensing: environmental determinants of the epidemiology of vector-borne diseases." 19-24 October.
1997 University of Oklahoma, Norman. Weese lecture: "Insects, Diseases and Space: Studies of parasitic diseases in Kenya, Israel and the U.S." 12 Nov.
1997 University of Oklahoma, Norman. "Mosquitoes, tsetse flies and ticks: spatial analysis tools to study arthropod-borne zoonoses" 13 Nov.
1997 Yale University, New Haven. CDC/Yale workshop on geographic distribution of Lyme disease risk. "Predicting Lyme disease risk in Wisconsin using AVHRR data." 14 Nov.
1998 National Institute of Health, Maputo, Mozambique. "Applications of geographic information systems (GIS) to epidemiology of infectious diseases." 17 Sept.
1998 Yale Dept. of Epidemiology and Public Health, New Haven. "Re-emergence of Malaria." 3 Dec.
1998 Harvard School of Public Health, Boston. "GIS in public health: surveillance and control of mosquito-borne diseases." 4 Dec.
1999 University of Wisconsin, Madison. "The Asian tiger mosquito in a focus of La Crosse encephalitis: Invasion biology, landscape epidemiology and GIS applications." 29 Jan.
1999 National Wildlife Health Center, Madison. "Landscape epidemiology of zoonotic diseases with GIS applications." 29 Jan.
1999 ICIPE, Nairobi, Kenya. "Spatial analysis of geo-referenced data for vector-borne diseases." 19 Feb.
1999 Southern Illinois University. "Invasions of zoonotic disease vectors (deer tick, tiger mosquito) in the Midwest." 25 Feb.
1999 University of Michigan, Ann Arbor. "Application of local and space-time spatial statistics to epidemiological data." 1 March.
1999 Tulane University, New Orleans. "Spatial tools for vector-borne diseases." 7 May.
1999 SOVE 31st Ann. Meet. Asheville, NC. Invasion of a La Crosse encephalitis focus by Ae. albopictus." 4 October.

1999 SOVE 31st Ann. Meet. Asheville, NC. "Ecological risk assessment for the spread of *Ixodes scapularis* in the North Central U.S." 5 October.

2000 XXI International Congress of Entomology. Iguassu Falls, Brazil. Organizer and convener, symposium titled: "New concepts and tools applied to the landscape ecology of vector-borne disease: spatial and environmental analyses of vector biology." Aug. 25.

2000 Workshop on Pathogens and Parasite Threats to Birds on Islands: Galapagos as a showcase. Princeton University, NJ. "Risk maps: studying invasions and transmission of vector-borne diseases." 20 October.

2000 NASA Ames Ecoinformatics Workshop, Moffett Field, CA. "Malaria and schistosomiasis risk maps and models. 14 December.

2001 UCGIS/USGS Colloquium for GI Science and Vector-Borne Disease. Scripps, UCSD, San Diego, CA. "Tools for geographic analysis of vector-borne diseases . What do we know?" 3 January.

2001 College of Veterinary Medicine, Purdue University, Lafayette, IN. "Vector-borne Diseases." 23 January.

2001 VIth International Potsdam Symposium on tick-borne diseases, Berlin, Germany. "Characterization of foci of tick-borne diseases." 26 April

2001 UCGIS/USGS Colloquium for GI Science and Vector-Borne Disease. Harrington, VA. "Geoscience in studies of vector-borne diseases: using patterns to elucidate mechanisms." 22 May.

2001 GISVET, Lancaster, United Kingdom. "GIS and Spatial Statistics in Studies of Zoonotic Diseases." 11 Sept.

2001 3rd International Congress of Vector Ecology, Barcelona, Spain. "Micro-epidemiology of vector and snail-borne diseases: applications of hyper-spatial satellite imagery." 18 Sept.

2001 Entomological Society of America Ann. Meet. "Spatial determinants of household infestation by *Triatoma infestans*, vector of Chagas disease in three villages in Argentina." 11 Dec.

2001 Hebrew University, Jerusalem, Israel. "From the village to the country level: Developing risk maps for transmission of arthropod and snail borne diseases." 24 Dec.

2001 Ministry of Health, Jerusalem, Israel. "Applications of GIS and remote sensing to surveillance and control of vector-borne diseases." 25 Dec.

2002 Symposium of the Northeast Health-Environment Alliance. "Landscape Ecology and Epidemiology of Vector-borne Diseases: Tools for Spatial Analysis." Hershey, PA, 7 March.

2002 First Ecology of Infectious Disease Network meeting and workshop. Bethesda, MD, June 12-13, 2002

2002 51st Ann, Meet., American Society of Tropical Medicine and Hygiene, Denver, CO. "Using fine spatial resolution satellite imagery in tropical disease studies: urinary schistosomiasis in Kenya." 13 Nov.

2003 West Nile Virus Wildlife Health Workshop. Smithsonian Environmental Research Center, Edgewater, MD. Feb 4-6

2003 1st Regional Mini-Symposium on the Eco-Epidemiology of Chagas, Malaria, and Leishmaniasis in CA. Guatemala City. "Applications of spatial analysis to vector-borne diseases" and " Malaria in Trinidad and Chagas disease in Argentina." March 3-4.

2003 Third World Water Forum, Kyoto, Japan. Special Session: "Water, Life and Health" organized by the Japanese Medical Association. March 18-21.

2003 55th Annual Meeting, Japan Society of Medical Entomology and Zoology, Oita Medical University, Japan. Keynote lecture: "Data from space and spatial data: risk maps for vector and snail-borne diseases." April 1.

2003 Institute of Tropical Medicine, University of Nagasaki, Japan. : "Landscape epidemiology of tropical diseases". April 7.

2003 Kobe University, Japan. "Landscape epidemiology of infectious diseases" April 8.

2003 University of Turin, Faculty of Veterinary Medicine, Italy. Keynote lecture in accreditation course on geographic information systems and spatial analysis in veterinary public health. "Geographic information systems and spatial analysis: principles, methods and applications to vector-borne diseases." May 30.

2003 Princeton University, Princeton, NJ. Conference on migration, Urbanization and Health. **"**Geographic Information Systems (GIS) and Remote Sensing (RS) in Public Health" Sept. 25-26.

2003 Rio de Janeiro, Brazil. Interamerican Workshop on the use of Remote Sensing to Control Infectious diseases. "Application of fine resolution satellite data to spatial analysis and control of infectious diseases: Chagas disease in Argentina and schistosomiasis in Kenya." Nov. 19-21.

2004 XXII International Congress of Entomology, Brisbane, Australia. "Applications of GIS and remote sensing for surveillance and control of mosquito borne diseases. 21 August.

2004 9th Arbovirus Research in Australia, Noosaville, Australia. "Outbreaks of DHF in Trinidad and WNV in Illinois: applications of GIS, remote sensing and spatial statistics." 24 August.

2004 53rd ASTMH Ann. Meet., Miami, FL. Symposium Organizer and Speaker: "Epidemiology of Chagas Disease in northern Argentina". 10 Nov.

2004 Acaralogical Society of America Annual Meeting, Salt lake City, Utah, "Where Lyme disease is absent: is it the tick, the vertebrate host or just a matter of time?" 14 Nov.

2005 International Biogeography Society 2nd Biennial Meet., US NCTC, Shepherdstown, WV. "Geographical and spatial studies of vector borne diseases in the Americas." 6 Jan.

2005 NASA Ecological Modeling Workshop, Asilomar, CA. "Invasion and Dispersal of Vector-borne Diseases: Landscape determinants and Ecological Forecasting." 31 March

2005 National workshop on global studies in higher education, Center for Global Studies, UIUC, Urbana, IL "Globalization and global studies in public health." 20 June.

2005 Argentinean National Institute of Parasitology, "Inst. Fatala Chabén", Buenos Aires, Argentina. "Geographic and spatial studies of vector-borne diseases in the Americas." 21 July.

2005. UF de Minas Gerais, Belo Horizonte, Brazil. "Spatial analysis of vector and snail-borne diseases." 23 Sept.

2005 4th International Congress of Vector Ecology, Reno, Nevada. "Upscale and Downscale: studies of vector-borne diseases in the Americas." 4 October.

2006 Ecology of Infectious Disease Symposium, University of Buenos Aires, Argentina. "Satellites, Space and Ecology of Infectious Diseases." 24 March

2006 Ecology of Zoonoses workshop, Center for Alpine Ecology, Trento, Italy. "Social, Economic and Environmental drivers of Zoonotic Diseases". 9 July.

2006 Infectious Disease Informatics workshop, National Center for Supercomputer Application, Urbana, IL. "Surveillance of Zoonotic Diseases". 7 Sept.

2007 The University of Iowa, Iowa City. "Surveillance and spatial analysis of Infectious Diseases". 2 February.
2007 Instituto Oswaldo Cruz, Rio de Janeiro, Brazil. "Surveillance and spatial analysis of vector-borne diseases". 19 March
2007 11th Tropical Medical Research Center Meeting, Ilheus, Brazil. "Spatial epidemiology of Chagas disease in NW Argentina". 23 March.
2007 XVIII Congress of the Latin American parasitology Federation, Isla de Margarita, Venezuela. "Estudios de enfermedades parasitarias transmitadas por vectores y caracoles en Argentina y Kenia: integracion entre escalas espaciales". 25 October.
2007 56th ASTMH Annual Meeting, Philadelphia, PA. Science-based surveillance and control of Chagas disease: Eco-epidemiological research in The Argentinean Gran Chaco. 5 Nov.
2008 UC Davis, CA. Emerging Barriers to the Management of Vector-Borne Infectious Diseases: Quantitative Analyses. 18 Jan. 2008
2008 CDC, Atlanta, GA. Vector borne diseases in the Americas: from Chagas disease in Argentina to WNV in Chicago. 1 Feb.
2008 Council of State and Territorial Epidemiologists - Climate Change Working Group, St. Louis, MO. "Vector-borne Disease and Climate (Change)." 5 March.
2008 GIS Technology Biennial Symposium, Case Western Reserve University, Cleveland, OH. "West Nile virus in Chicago: Considering the past, Understanding the present, Predicting the future." 3 April.
2008 Center for Global Health and Disease, Case Western Reserve University, Cleveland, OH. "Chagas disease in NW Argentina - bugs, dogs and science-based interventions." 4 April
2008 US – International Association for Landscape Ecology, Annual Meeting, Madison, WI. "Spatial Epidemiology of vector-borne and zoonotic diseases." 7 April.
2008 Metro Atlanta Public Health GIS group, Atlanta, GA. "Environment, Change and Disease: Vector-borne Zoonoses in the Americas." 16 May
2008 European Food Safety Authority (EFSA), Parma, Italy. "Spatial Analysis of GIS Data & Applied Statistics for Public Health and Environmental Studies." 26 May
2008 CDC NCEH/ATSDR, Atlanta, GA. Director's Science Seminar. "Environmental Risk Factors and Vector borne diseases: Applications of GIS, Remote Sensing and Spatial Analysis." 3 Sept.
2008 Healthy Places Research Group, Atlanta, GA. "Environmental Risk Factors and Vector-Borne Diseases: West Nile virus in Chicago and Atlanta." 9 Sept.
2008 University of Georgia, Athens, GA. "Transmission of zoonotic diseases in the Americas: West Nile virus in the US and Chagas disease in Argentina " 15 Sept.
2008 Georgia Mosquito Control Association Annual Meeting, Athens, GA. "West Nile virus in urban areas - from Chicago to Atlanta." 17 October.
2008 Division of Public Health Georgia Department of Human Resources. "Vector-Borne Diseases in urban areas: West Nile virus in Chicago and Atlanta." 17 Dec.
2009 Dept. of Epidemiology, RSPH, Emory. "Spatial Epidemiology of Vector-borne zoonoses." 28 Jan.
2009 International Meeting on Emerging Diseases and Surveillance (IMED 2009, Vienna, Austria. "Vector-Borne and Zoonotic Diseases: Climate, Landscape and Transmission." 15 Feb.

2009 PBEE, Emory. Vector-Borne and Zoonotic Diseases: Climate, Landscape and Transmission. 21 Feb.

2009 Ecology of Infectious Diseases Annual Meeting, Park City, Utah. "Eco-Epidemiology of Chagas Disease in the Gran Chaco of Argentina". 1 April.

2009 Zoonoses – Diseases from Nature Forum, Yale University, New Haven, CT. "Chagas Disease – South America". 4 April

2009 The 2009 Cairns Dengue Summit, Cairns, Australia. "Using databases and GIS in dengue management". 22 April

2009 School of Veterinary Medicine, National University of Costa Rica, San Jose, Costa Rica. "Aplicación de los sistemas de información geográfica, sensores remotos y análisis espacial y temporal al estudio de enfermedades zoonóticas" . 20 May.

2009 University of Costa Rica, San Jose, Costa Rica"Aportes a la ecología de la enfermedad de Chagas a través del uso de sistemas de información geográficos y análisis geo-espacial". 21 May.

2009 J.W. Jones Ecological Research Center at Ichauway, GA. "Vector-Borne and Zoonotic Diseases: Climate, Landscape and Transmission". 9 Oct.

2009 58th ASTMH Annual Meeting, Washington, DC. Chagas Disease: the potential and limitations of controlling *T. infestans* in the home. 21 Nov.

2010 Case Western Reserve University. "Application of GIS to dengue ecology and vector transmission". Invited lecture for Global Health Outbreak Investigation in Real-Time. A Joint Course of CWRU, Cleveland, USA and UFBA, Bahia, Brazil. 24 April

2010 Emerging Vector-borne Diseases in a Changing Environmental Environment - EDEN International Conference, Montpellier, France. Key note Speaker. "Emerging Vector-Borne and Zoonotic Diseases: Climate, Landscape and Transmission (and Scale)". 14 May

2010 59th ASTMH Annual Meeting, Atlanta, GA. "The Urban Ecology of West Nile Virus Transmission in Chicago and Atlanta, USA". 6 Nov.

2010 Predictive Health 6th Annual Symposium, Emory University, Atlanta, GA. "Ecology of Infectious Diseases in Urban Areas". 13 Dec.

2011 Case Western Reserve University. "Application of GIS to dengue ecology and vector transmission". Invited lecture for Global Health Outbreak Investigation in Real-Time. A Joint Course of CWRU, Cleveland, USA and UFBA, Bahia, Brazil. 24 April

2011 University of Michigan, Ann Arbor. "Clusters, Networks and Spillovers: Transmission Dynamics of Infectious Diseases". 21 March

2011 CHORI, Oakland. "Clusters and Networks in Transmission Dynamics of Infectious Diseases". 25 July.

2011 Yale School of Public Health. "Eco-epidemiology of schistosomiasis and polyparasitism in coastal Kenya". 10 Nov.

2012 Instituto Oswaldo Cruz (Fiocruz), Salvador, Brazil. "Eco-epidemiology of NTDs: Schistosomiasis in Kenya and Dengue in Peru". 5 March

2012 Universidad Federal da Bahia, Salvador, Brazil. "Vector-Borne and Zoonotic Diseases: Transmission, Landscape and Scale". 6 March

2012 International Congress of Tropical Medicine and Malaria, Rio de Janeiro, Brazil . "Eco-epidemiology of schistosomiasis and malaria in coastal Kenya". 26 Sept.

2012 International Congress of Tropical Medicine and Malaria, Rio de Janeiro, Brazil. "Vector-Borne and Zoonotic Diseases: Climate, Landscape, Transmission and Scale". 24 Sept.

2012 CDC, Epidemiology Forum, Atlanta, GA. "Vector-Borne and Zoonotic Diseases: Transmission, Landscape and Scale". 5 Dec.

2013 Yale University, Workshop on Climate Change and Human Disease. "Vector-Borne and Zoonotic Diseases: Climate, Landscape, Transmission and Scale". 25 Jan.

2013 National Institute of Medicine, Washington, DC. "Persistence of infectious disease transmission in the face of environmental change and intensive intervention". The Influence of Global Environmental Change on Infectious Disease Dynamics Workshop, 25 Sept.

2013 Panama City, Panama. "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. 19-22 Nov.

2014 Princeton, NJ, USA. "Fine-scale patterns of WNV transmission in a "hot spot" in suburban Chicago, USA: the Temporal and Spatial Dimensions of Risk". RAPIDD workshop "Next Generation Modeling: Climate, Weather and Infectious Disease." 19-21 Jan.

2014 Belém, Brazil. "Epidemiologia especial e ecologia de doenças transmitades por vectores. Núcleo de Medicina Tropical, Universidade Federal da Pará. 9 May.

2014 Salvador, Brazil. "Transmission of Dengue and other Arboviruses: role of Vector and Host Movements". Instituto de Saúde Coletiva, Universidade Federal da Bahia. 16 May.

2014 Atlanta, GA. "Changing urban climate and mosquito-borne diseases: West Nile and other viruses". Urban Climate Institute (UCI), 2nd Summer Meeting, Georgia Technological Institute. 9 July.

2014 Reston, VA. NASA NISAR Applications Workshop Forestry & Wetlands breakout session. 28-29 Oct.

2015 San Jose, Ca. "Earth Observations and Observations on Earth: Complementary Data for Disease Studies. Symposium on Earth Observation Systems and Disease Prediction. AAAS Annual Meeting. 14 Feb.

2015 Atlanta, GA, "Climate and Vector-Borne Diseases: Changing Climate and Mosquito-borne Diseases". Emory University Climate@Emory Day of Scholarship. 17 April

2015 Atlanta, GA. "Climate and Vector-Borne Diseases". CDC Malaria Branch, 21 April.

2015 Fortaleza, Brazil. "Dengue em movimento: uma história em muitas escalas." 51st Congress of the Brazilian Society of Tropical Medicine. 17 June.

2015 Riva Garda, Italy. "Dengue (and friends) on the move: a story on many scales" Ecology of invasion LEXEM Scientific Workshop. 23-24 July.

2015 Havana, Cuba. WHO Workshop: Integrated Vector Management for Latin America and the Caribbean. 14-15 August.

2015 Yale School of Public Health. Dengue (and friends) on the move: A story on many scales. Brandon Brei Memorial Lecture. 25 Sept. 2015

2015 Ukunda, Kenya. Kawale Ministry of Health Conference. Use of prospective hospital surveillance data to define spatiotemporal heterogeneity of malaria risk in coastal Kenya. 13 October.

2015. Univ. of Tennessee, Knoxville, TN. Earth Observations: Complementary Data for the study of Climate Change and Vector-Borne Diseases. Geography Dept., 13 November.

2015 Manaus, Brazil. Applications of Landscape Ecology and Invasion Biology to Vector-Borne Zoonoses. NIH-Fiocruz Scientific Workshop on Global Health Challenges and Collaborative Opportunities in Arbovirus Research. 30 Nov. - 3 Dec.

2015 Manaus, Brazil. Mapping and Spatial analysis in Disease Ecology. NIH-Fiocruz Scientific Workshop on Global Health Challenges and Collaborative Opportunities in Arbovirus Research. 30 Nov. - 3 Dec.

2016 Emory University, Atlanta, GA. Zika virus: a Local Perspective from Salvador, Brazil on a Global Challenge. Rollins School of Public Health, Grand Rounds. 24 March.

2016 University of Massachusetts, Boston. Zika virus: a Local Perspective from Salvador, Brazil on a Global Challenge. Zika Global Health Symposium. 2-3 May.

2016 Pontificia Universidad Católica del Ecuador, Quito. Zika virus: a Local Perspective from Salvador, Brazil on a Global Challenge. IV Encuentro Internacional de Investigación en Enfermedades infecciosas y Medicina Tropical. 12-15 June.

2016 Fiocruz, Salvador, Brazil. Princípios e exemplos do uso de SIG e análise espacial em Vigilância de Vetores e Ecologia de Doenças. XVI Curso Internacional de Epidemiologia Molecular em Doencas Infecciosas e Parasitarias Emergentes. 18 July.

2016 Emory University, Atlanta, GA. Zika: the virus, the mosquito vector, the epidemiology – Impact beyond public health. Brazil Week. 21 Sept.

2016 Emory University, Atlanta, GA. The Social Geography of Zika. Presentation to select Emory Alumni - 24 Sept, Parents – 10.21, Miami donors and Alumni – 12/8

2016 Orlando, FL. Local modulation of Climate Change Impact on Vector-Borne Diseases. 2016 XXV International Congress of Entomology, 28 Sept.

2016 Emory University, Atlanta, GA. Emerging Global Health Threats: What We Don't Know Can Hurt Us. Panel Discussion to celebrate GHI 10th anniversary.

2017 Salvador, Brazil. Aplicação de técnicas epidemiológicas espaciais no contexto de doenças infecciosas tropicais. Fiocruz, 17 July.

2017 Cairns, Australia. Transmission of mosquito-borne viruses in Salvador, Brazil: old timers and new comers. Keynote talk, Australasian Tropical Health Conference, 9-11 Sept.

2017 Atlanta, USA. Panel on Climate Change and Health. American Mock WHO meeting, 14 Oct.

2018 Rehovot, Israel. Local modulation of Climate Change Impact on Vector-Borne Diseases. Faculty of Agriculture, Food and Environment, Hebrew University. 24 Jan.

2018 Jerusalem, Israel. Transmission of Arboviruses in Salvador, Brazil: Dengue, Zika, Chikungunya and Yellow Fever . Hebrew University, 31 Jan.

2018 Haifa, Israel. Transmission of mosquito-borne viruses in Salvador, Brazil: old timers, newcomers and repeat offenders. University of Haifa, 26 Feb.

2018 Boston, MA. Transmission of mosquito-borne viruses in Salvador, Brazil: old timers, newcomers and repeat offenders. Harvard University, 12 Apr.

2018. Tel Aviv, Israel. Transmission of Arboviruses in Salvador, Brazil: Dengue, Zika, Chikungunya and Yellow Fever . Tel Aviv University, 16 May

2018 Sdeh Boker, Israel. Transmission of mosquito-borne viruses in Salvador, Brazil: old timers, newcomers and repeat offenders. Ben Gurion University, 22 May.

2018 Atlanta, GA. Environment and Media (with De. Amy Aidman). Academic presentation, Homecoming week, Emory University, Oct. 20

2019 Wageningen University, the Netherlands. Mosquito ecology and arbovirus transmission in Salvador, Brazil: co-circulation of Dengue, Zika, Chikungunya and Yellow Fever. Wageningen University, April 25.
2019 Padua, Italy. Avian reservoir hosts and WNV transmission in the U.S. Istituto Zooprofilattico Sperimentale delle Venezie, Oct. 15.
2019 Turin, Italy. Applications of GIS and remote sensing to vector-borne diseases and One Health is sub-Saharan Africa. University of Turin, Oct. 21
2019 Pisa, Italy. Transmission of mosquito-borne viruses in Salvador, Brazil: Co-circulation of Dengue, Zika, Chikungunya & Yellow Fever. University of Pisa, Nov. 7
2019 Turin, Italy. Avian reservoir hosts and WNV transmission in the U.S. University of Turin, Nov. 11
2019 Salvador, Brazil. WNV transmission in the U.S: a tale of two cities. Oswaldo Cruz Foundation. Dec. 2
2019 Belo Horizonte, Brazil. The Influence of Global Environmental Change on Infectious Disease Dynamics. UFMG (Federal University of Minas Gerais). Dec. 11
2020 Turin, Italy. One Health, One World. Honorary degree ceremony. University of Turin, Feb. 11
2020 Salvador, Brazil. Sistema de informação geográfica (SIG) Aplicado à saúde - revisão e exemplos de estudos com doenças infecciosas. Federal University of Bahia, School of Medicine. Feb. 13.
2020 Atlanta GA. Virtual Event Focused on COVID-19 Research. Rollins School of Public Health. 2 June.

FELLOWSHIPS and AWARDS:

2020 Honorary degree, University of Turin – Laurea Honoris Causa, Turin, Italy
2018 Marion V, Creekmore Award for Internationalization, Emory University
2014-17 Brazil Science without Border Senior Investigator award – CSF-PVE (9-month research award over three years), Fundação Oswaldo Cruz, and Federal University of Bahia, Salvador, Brazil. Entomological study of dengue and Chikungunya transmission in Salvador, Brazil
2014-15 Fulbright Distinguished Chair Fellowship, Fundação Oswaldo Cruz, and Federal University of Bahia, Salvador, Brazil – Declined (ovelap with CSF PVE)
2003-04 Fulbright Fellowship (3 month teaching/research award, Argentina)
2003 Pfizer Award for Research Excellence, CVM, UIUC
2003 Japanese Society for the Promotion of Science Fellowship (March-April)
1997 University of Michigan, Ann Arbor. Gene Higahsi Memorial Lecture
1997 University of Oklahoma, Norman. Weese lecture
1996-97 Lady Davis Fellowship, Hebrew University, Israel
1985-86 Takemi Fellowship in International Health, Harvard School of Public Health, Boston

FUNDING:

Current:

2019-2020 Impacts of Changes in Household Cooking Fuel on Abundance and Behavior of Insect Disease Vectors in Rwanda. NIH-Fogarty. P.I. $28,500.

2019-2020 Preparing the U.S. for Climate Change-Induced Infectious Disease Impacts: An Interdisciplinary Research Strategy. Emory University 2019 Synergy II_Nexus Award. Co-P.I. $100,000.

2014-2020 Quantifying Heterogeneities in Dengue Virus Transmission Dynamics. NIH PO1 (P.I. TW Scott). Project Leader (PL) of Project 3: Drivers of heterogeneities in dengue epidemiology, transmission and control. $100,075 Annual Sub-contract

Past:

2016-2018 Mosquitos and Disease in the City: A Study of Public Health and its Representation in Sao Paulo, Brazil. São Paulo Research Foundation (FAPESP) SPRINT (São Paulo Researchers in International Collaboration) 2016/50008-6. (Co-P.I. with Lincoln Suesdek da Rocha) $30,000

2015-2018 Metropolis, Migration and Mosquitoes: Historicizing Health Outcomes in São Paulo, Brazil. Emory IFF (co-P.I. with J. Lesser). $30,000 Annual

2015-2018 Landscape genetics guide NTD interventions: Chagas disease in Ecuador and Peru. NIH R15 (PI: M Grijalva). Co-I (no sub-contract, travel to be covered by PI)

2013-2018 The Burden of Chikungunya and Dengue Transmission, Infection and Disease in Kenya. NIH. **Co-I** (P.I.: AD LaBeaud) $20,000 Annual Sub-contract.

2011-14 Climate variability, Pastoralism, and Commodity Chains in Ethiopia and Kenya. USAID Adapting Livestock Systems to Climate Change Collaborative Research Support Program. **Co-I** (P.I.: PD Little), $350,000 Total.

2010-11 Climate variability, Pastoralism, and Commodity Chains in Ethiopia and Kenya. USAID. **Co-I**. (P.I. Peter Little, Emory). $80,000

2009-13 Research and Policy for Infectious Disease Dynamics (RAPIDD) program of the Science and Technology Directorate, U.S. Department of Homeland Security, and the Fogarty International Center, NIH. **IPA agreement**, $46,870 Annual.

2009-12 Assessing the Cumulative Climate-Related Health Risks in the Eastern U.S. CDC. **Co-I** (P.I. Yang, Liu, Emory). $203,208 Annual

2008-14 West Nile virus: eco-epidemiology of disease emergence in urban areas II. **Co-PI.** NSF/NIH Ecology of Infectious Disease Program. (P.I.: Tony Goldberg), $2,240,000 total.

2008-10 Impact of Slow Release Insecticide Paint. **P.I.** Global Health Institute, Emory University. $24,000

2008-09 Effects of local and regional deforestation on Cutaneous Leishmaniasis across a gradient in southern Costa Rica. **Co-PI** (P.I. Luis Chaves, Emory). Gorgas Memorial Insitute. $25,000.

2007-13 Eco-epidemiology of Schistosomiasis, Malaria and Polyparasitism in coastal Kenya. NIH/NSF Ecology of Infectious Disease Program. **P.I.** (multiple PI with C.H. King, CWRU) $800,000 total sub-contract.

2007-13 Measuring Entomological Risk for Dengue. NIH. **Co-I.** (P.I.: T. Scott, UC Davis) $400,000 total sub-contract.

2007-10 Sources of reinfestation by major vectors of Chagas disease after residual insecticide spraying. Tropical Disease Research (TDR/WHO/UNICEF/PNUD) tri-annual project in Argentina, Bolivia and Paraguay. **Co-I**. (PI, Ricardo Gürtler). $632,000

2005-08 Summer Research Training in Infectious Diseases. NIH/NRSA. P.I. through 2007. $260,000

2004-08 West Nile virus:Eco-epidemiology of disease emergence in urban areas. NSF/NIH Ecology of Infectious Disease Program. **P.I.** $1,180,000 total costs.

2004-08 A spatial risk model for Ixodes scapularis-borne Borrelia. CDC. **Co-P.I.** (P.I.: D. Fish, Yale) $392,000 total sub-contract costs.

2002-10 Eco-epidemiology of Chagas disease in northwest Argentina. NIH/NSF Ecology of Infectious Disease Program. **P.I.** $2,000,000 total. 2001-06 Population Biology of African Malaria Vectors (Guiyun Yan, P.I.) NIH International Malaria Research Training Program.

2001 - 04 Risk Assessment of the Expanding Distribution of Lyme Disease in the North-Central U.S. Cooperative Agreement for Research on the Ecology of Lyme Disease in the United States. CDC. P.I. $705,186 Total costs.

2001- 04 Surveillance and mapping of West Nile virus distribution in Illinois. Illinois Dept. of Public Health. P.I. $25,000 total costs.

2001 Chagas disease in Argentina. UIUC William and Flora Hewlett International Research Travel grant. $3,000.

2000- 06 Impact of Human Population Growth on Transmission dynamics of *S. haematonbium* NIH/NSF Ecology of Infectious Disease Program. Co-P.I.. (P.I.: C.H. King, Case Western Reserve University). Sub-contract: $479,198 total sub-contract costs.

2000-05 The Ecology of Highland Malaria NIH R01. Sub-contract. Co-I. (P.I.: Guiyun Yan, SUNY Buffalo) $100,668 total sub-contract costs

1999 - 02 Invasion of urban LaCrosse focus by *Aedes albopictus*. NIH RO3. P.I. $242,017

1998 - 01 Lyme disease foci in Illinois: ecological evaluation, integrated disease management and education. Cooperative Agreement on Lyme Disease with CDC. Co-P.I. $210,000

1998 - 00 The development of a GIS to investigate the geographic patterns of severe malaria incidence in Mozambique. TDR/WHO. Collaborator (P.I. - R. Thompson). $50,000.

1998 - 99 Epidemiology of malaria in Trinidad. Gorgas Memorial Institute Fellowship Program. Collaborator (P.I. - D. Chadee). $17,000.

1996 - 99 Environmental determinants of Lyme disease foci. NIH RO1. P.I. $928,473

1996 - 97 LaCrosse encephalitis and eastern equine encephalitis - multiple scale spatial analysis. UIUC Campus Research Board. P.I. $15,880.

1995 - 98 Physiological, genetic, and geographic correlates to dispersal and overwintering of the Mediterranean Fruit Fly in Israel. California Dept. of Agriculture. P.I. $169,424.

1994 - 98 Integrated Management of *I. scapularis* in North Central U.S. Cooperative Agreement on Lyme Disease with CDC. Co-P.I. $270,000.

1994 - 97 Risk factors for transmission of mosquito-borne diseases in North Central U.S. USDA Animal Health and Disease Research Funds. P.I. $53,500.

1994 - 95 Arboviral encephalitis analysis & prediction tool: GIS and Imaging. CDC/SBIR via sub-contract to Highland Technologies. P.I. $10,000.

1992 - 93 Occurrence of *Echinococcus multilocularis* in Illinois. Illinois Dept. of Conservation. Co-P.I. $3,800.

1991 - 94 An epidemiologic investigation of risk factors and sources of *Toxoplama* infection in swine herds in Illinois. USDA. Co-P.I. $418,308.

1991 - 92 Ecology of *Ixodes dammini* in northwestern Illinois. UIUC Campus Research Board. P.I. $8,400.

1991 Arthropod-borne diseases in and near national parks, national sea-shores, national lake shores, and national rivers of the continental U.S.A. Contract for the Midwestern U.S. & environs. P.I. $5,000.

1990 - 93 Use of ARC/INFO GIS, spatial analysis and expert systems for tsetse management. AID/USDA/CSRS; collaborative project with ICIPE, Nairobi, Kenya. P.I. $89,775.

1989 - 93 Lyme disease: An emerging public health problem in Illinois. Illinois Department of Energy and Natural Resources. Co-P.I. $50,000.

1990 - 91 Dispersal of *Ixodes dammini* and *Borrelia burgdorferi* to new foci along the Mississippi River. CDC. P.I. $24,913.

1988 - 89 Distribution of ticks and potential exposure to Lyme disease in three state parks in northern Illinois. NIH BRSG. P.I. $3,000.

1987 - 89 The impact of insect growth regulators on flea (*Ctenophalides felis*) population dynamics. Ciba Geigy. Co-P.I. $52,500. AID/USDA/CSRS; Collaborative project with ICIPE, Nairobi, Kenya. P.I. $89,775.

1987 - 88 Population dynamics of *Aedes triseriatus*, vector of LaCrosse virus encephalitis. NIH BRSG. P.I $3,000.

1985 - 86 Research Fellowship. Takemi Program in International Health. Harvard School of Public Health. $20,000.

REVIEWS:

Grant proposals:

United States-Israel Binational Science Foundation (BSF); US-Israel Binational Agricultural Research and Development Fund (BARD), Belgian Earth Observation Programme, British National Research Council, Illinois Dept. of Energy and Natural Resources; Israeli Ministry of the Environment, Italian Ministry for University and Research, National Academy of Science, NASA, National Institutes of Health (NIH), National Science Foundation (NSF), Fulbright, Oberlin College, Rockefeller Foundation, University of Rhode Island, USDA - NRI, CSRS, Hatch, Animal Health & Disease, Wellcome Trust, U.S. Civilian Research & Development Foundation (CRDF), Global Health Institute - Emory University, Fulbright Scholar Program

Editorial Boards

Journal of Medical Entomology – Subject Editor
Vector Borne and Zoonotic Diseases
Geospatial Health

Manuscripts:

Acta Tropica, Am J Epid., Am J Trop Med Hyg, Applied Ecology, Conservation Biology, Europ J Epid, Emerging Infectious Diseases, Env. Entomol., Epidemiology, Epidemiology and Infection, Evolution, Infect. Immun., Geog. Systems, Int J Epid, Int J Health Geogr, Int. J. Parasit, JAMA, J Archeological Sci., J Ecol Health, J Geographical Systems, J. Iowa Acad Sci, JAMA, J Am. Mosq Contr Assoc, J. Mammology, J. Med Entomol., J Parasit, Nat Res Model, New England J Med, PNAS, Parasit. Today, Photogr. Eng Remote Sens, Science, Trans Roy Soc Trop Med Hyg, Science, Vector Borne and Zoonotic Diseases, PLOS NTD, Others.

Other:

Great Lakes Climate Change Report, Ecological Society of America

TEACHING:

Courses:

Parasitology. University of California, Santa Barbara, 1983.
Veterinary Parasitology. University of Illinois, Urbana, 1986-2007.
Ecological Parasitology. University of Illinois, 1996
Epidemiology of Infectious Diseases. University of Illinois, 1989-2007.
Epidemiology and the Media. University of Illinois, 1988- 2007
Principles of Veterinary Epidemiology. University of Illinois, 1995-1996
Spatial Analysis of Biological Data. Hebrew University, Israel, 1997.
Science, Professional Experts and the Media. University of Illinois, 1999.
Spatial Epidemiology, University of Michigan, Ann Arbor (Guest lecturer, consultant), 1998
University of Illinois, 2003-2007
Seminar in Environmental Studies, Emory University, 2008-2018
Ecological Parasitology, Emory University, 2009, 2015
Spatial Disease Ecology, Emory University, 2009-2013
Mosquitoes, Metropolis & Migration, Emory University, 2017
Environment and Media, Emory University, 2018
ENVS Graduate seminar, Emory University, 2017-2018

Research mentoring, Emory University

Undergraduates: Brandon Bedford, Abdu Bouzid, Greg Decker, Aubrey Dennis-King, Kevin Lanza, Thomas QuigleyAn Nguyen, Andy Nguyen, Alex Vannostrand, Miho Yoshioka, Gaothami Rao, Emma Accorsi, Parisa Nourani, Helen Hill, Funmi Adeodkun, Stephen Elwood, Nick Wilcox, Ryan Huang, Bryant Jones, Funmi Adedoken, Frances Kim, Naeemah Munir, Whitney Pennington, Rebecca Byler, Lois Chang, Matt Hilgendorf, Megan Heinemann, Amari El Amin (High School), Chris Hoover, Will Galvin, Carrie Keogh, Alex Vannostrand, Areanna Sabine, Alexandra Llovet

Graduate students: Amanda Williams, Dylan Grippi, Nelle Couret, Rebecca Levine, Sarah Guagliardo, Brooke Bozick, Marc Cuningham, Shirin Jab, Sharia Ahmed, Karen Wu, Elisa Martello, Josafa Barreto, Izabel dos Reis, J.R. McMillan, Jordan Peart, Francisco Dante, Flavia Baros, Janeth Perez, Emily Anathset

Workshops:

GIS, Remote Sensing and Spatial Analysis workshops
June 2002, Nairobi and Diani, Kenya
May 2003, CVM, UIUC, Urbana, IL
Dec. 2003, University of Buenos Aires, Argentina
May, 2004, CVM, UIUC, Urbana, IL
June 2005, ICIPE, Nairobi, Kenya
Sept. 2005, Belo Horizonte, Brazil
Aug. 2007, Goroka, Papua New Guinea
March 2008, Emory, Atlanta, GA
May 2013, Addis Ababa, Ethiopia
April 2014, Salvador, Bahia, Brazil

Graduate Students:

Advisor

Joel P. Siegel, Ph.D.	M.Sc. 1990
Alessandro Mannelli, D.V.M.	M.Sc. 1993, PhD 1996
Timothy L. Slajchert, D.V.M.	M.Sc. 1994
James Michael	M.Sc. 1996
Patrick Sullivan	M.Sc. 1999
Marta Guerra, D.V.M., M.P.H.	Ph.D. 2000
Karen Solis	M.Sc. 2000
Samantha Elmore	M.Sc. 2001
Julie Clennon	M.Sc. 2001, PhD 2006
Anna Schotthoefer	Ph.D. 2003
Evelin Grijalva	M.Sc. 2004
Mary Lancaster	Ph.D. 2005
Roberto Cortinas	Ph.D. 2007
Michelle Rowland	Ph.D. 2008
Mark Cunningham	MPH 2011
Karen Wu	MPH 2013
Rebecca Levine	Ph.D. 2014
Sarah Giuagliardo	Ph.D. 2015
Bryant Jones	MPH 2016
Jessica Fairley	MPH 2016
Jordan Peart	MPH 2017
Emily Ananthset	MPH 2017
Adan Oviedo	MPH 2017
Jessica Stephens	MPH 2017
Ian Hennessee	PhD
Carson Telford	MPH
Kelsey Shaw	MPH
Shelby Lyons	MPH

Visiting Graduate student (Ph.D. 'sandwich' students):

Bazil: Josafa Barreto, Izabel dos Reis, Mariana Kikuto, Igor Paploski, Francisco Danta, Flavia Barros, Raquel Lima
Colombia: Oscar Gomez, Janeth Perez,
Argentina: Gonzalo Vazquez-Prokopec,
Italy: Pamela Moschini, Elisa Martello, Giusi Amore, Luigi Bertoloti, Paulto Mulati
France: Celia Lutrat
Mozambique: Vanio Mugabe

Committee member:

John Urbance (PhD 1993), Mark Mitchell, D.V.M. (MSc. 1996), Ernie Poortinga, DVM. (MSc. 1996), Art Siegel, D.V.M. (PhD 1998), Cheryl Furrillo (MSc 2000), Jennifer Johnson (MS. 2001), Sangeeta Rao (PhD 2008), Scott Loss (MS. 2007), Donna Underwood (PhD 2013), Sandra Yi (PhD. student), Richard Djukpen (Ph.D. student),

Anne Readel (PhD 2009), Gabe Hamer (PhD 2008), Andrew Haddow (PhD2008), Raymond King (PhD 2013), Nicole Gottdenker (PhD 2009), Donna Underwood (PhD 2012), David Gruenewald (M.c 2014), Johanna Salzer (PhD 2014), Amanda Williams (PhD 2015), Moriko Hensley (MS, 2017), JR McMillan (PhD 2018), Kathryn Schaber

Post doctoral researchers:

Luigi Bertoloti, Julie Clennon, Paulo Mulati, Anna Schotthoefer, Robert Smith, Laura Tomassone, Giusi Amore, Gonzalo Vazquez-Prokopec, Gideon Wasserberg, Henrietta Awobode, Luis Chaves, Francis Mutuku, Sonia Kjos, Julie Gutman, Lilly Immergluck, Jessica Fairley, Jana Radzijevskaja, Donal Bisanzio, Moreno Rodrigues, Laura Tauro, Bekele Megersa

SERVICE:

Emory University, 2008-

Department of Environmental Sciences

2008- 17	Chair
2008-	Faculty and Staff search committees
2008 -	Curriculum Review Committee
2009-	Assessment Committee
2014-	Graduate Studies Committee (Director, 2014-16)
2018-	Search Committee, LTF review committees

Emory College

2008-14	Member, Sustainability Minor and Institute Planning Committee
2008	Member, Lucius Lamar McMullan Award Committee
2009 -	Member, Development Studies Committee Steering Committee
2010 - 11	Member, Faculty Search Committee, Race and Science
2015 - 18	Presentations to Alumni, Donors and Parent Groups
2019	Member, College Tenure & Promotion Committee

Emory University

2019	University Global contracts task force
2019	GHI strategic planning
2018	Brazil Fulbright Scholars review
2014-17	Member, CREATE Steering Committee, Ethics Center
2014-16	Member, Research Administration Strategic Advisory Board
2013-	Member, Global Services Faculty Advisory Board
2013-16	Member, Provost Diversity Taskforce
2008-16	Member, Research Advisory Committee
2008-	Reviewer of proposals to the Global Health Institute
2009-	Member, Master of Development Practice Advisory Committee
2009- 16	Member, Executive Committee, Program in Population Biology and Ecology (PBEE)
2013	Organizer (with Dabney Evans, RSPH), Brazil Academic Learning Community

Department of Environmental Health

2008-19	Member, Faculty search committee (multiple positions)
2008-13	Member, Graduate program Planning committee
2019-20	Member, EH Chair Search Committee

University of Illinois 1987-2007

Department of Pathobiology:
- Departmental Advisory Committee
- Chair, Ad hoc promotion & tenure procedures review committee
- Member and Chair, Search Committees for staff faculty, department head
- Ad hoc Committee for Graduate Student Recruitment
- Seminar Series Committee

College of Veterinary Medicine:
- College Library Committee (Chair, 1995-1996)
- College Promotion and Tenure Committee
- College Research Advisory Committee
- College Planning Committee
- College Executive Committee
- College Courses & Curriculum Committee
- Ad hoc committee to review clinical appointments
- Ad hoc Medical Records Access Committee

University of Illinois:
- Search Committees, Department of Community Health, Illinois Natural History Survey, Joint Anthropology-Pathobiology position (Chair)
- University Senate
- Campus Library Committee
- Biological Safety Committee
- GIS licensing committee,

State of Illinois:
- Training sessions and presentations for Illinois Department of Public Health, County Health Departments and Illinois Mosquito Control Districts.
- Collaborative research on vector-borne diseases and zoonoses with the IDPH
- Program Chair, Illinois Mosquito and Vector Control Association.
- Research Committee, Center for Conservation Medicine.
- Surveillance and mapping of West Nile virus, IDPH

National/International

Symposia and Workshops

Program Chair – Society of Vector Ecology (2003)

Symposium organizer – Am. Soc. Tropical Medicine & Hygiene (1994,2004, 2008, 2010), Entomol. Soc. America (1993, 2001), Soc. for Vector Ecology (1995, 2003, 2006), International Congress of Entomology (2000), International Congress of Vector Ecology (2005)

Workshops - NASA, National Academies of Science, NSF, PAHO, UCGIS, WHO/TDR World Wildlife Fund, Wildlife Conservation Society

NAFTA Commision on Environmental Cooperation

1996 Expert Consultation on Risk Reduction Options for DDT.

World Wildlife Fund

1996- Consultant, member of task force on reduction of use of pesticides in public health

WHO/PEEM

1998- WHO/ICIPE Consortium on use of livestock to divert malaria in East Africa.

Society for Vector Ecology (SOVE)
1999-2005 Regional Director, North-Central Region; Board Member,
2002-03 Vice-President., 2003-04 President elect, 2004-2005 President
NASA Earth Science Enterprise
2000-03 Applications Division, Program Planning and Analysis (PP&A). Environmental Assessment Panel, Member.
NASA's Socioeconomic Data and Applications Center (SEDAC), CIESIN
2004-08 (Center for International Earth Science Information Network), Columbia University, NY. Advisory Board--User Working Group
NSF's program on the National Ecological Observatory Network (NEON)
2004 Working group, Ecology and Evolution of Infectious Diseases
American Committee on Medical Entomology
2004-08 Executive Council
NIH Study Sections
2005- 09 NIH IRAP Study Section
2002- Various Study Sections – NIAID, NIEH, FIC, others
EFSA – European Food Safety Authority
2008 - Working Group on Statistical Analysis of Temporal and Spatial Trends of Zoonotic Agents
EPISTIS: Remote Sensing tools to study the EPIdemiology and Space/TIme dynamicS of diseases
2009 - Steering Committee, EPISTIS -. Université Libre de Bruxelles, Belgium
NSF NEON (National Earth Observatory Network)
2010- NSF NEON Research Coordination Network (RCN). Workshop on Forecasts of Resource and Environmental Changes for Infectious Diseases.
2014 NASA NISAR Applications Workshop – co-Chair, Forestry & Wetlands
2015 2015 Conference on the Ecology and Evolution of Infectious Diseases – Member, Steering Committee

SCIENTIFIC SOCIETIES:

American Society of Tropical Medicine and Hygiene, American Society of Entomology
Georgia Mosquito Control Association, Society for Vector Ecology

LANGUAGES:

Fluent in English, Hebrew; Advanced Dutch, Portuguese; Intermediate Spanish; Beginning Italian