

CECILIA A. SÁNCHEZ

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POSITIONS	Research Scientist EcoHealth Alliance, New York, NY	Oct 2020–present
	Postdoctoral Associate Odum School of Ecology, University of Georgia, Athens, GA	Jan-Oct 2020
EDUCATION	Ph.D. in Ecology Odum School of Ecology, University of Georgia, Athens, GA <i>Effects of urban landscapes on wildlife behavior, health, and disease: Australian flying foxes as a case study.</i> Advised by Dr. Sonia Altizer	2019
	B.S. <i>intensive</i> in Biology (concentration in Ecology & Evolutionary Biology) Yale University, New Haven, CT <i>Examining third-party punishment in capuchin monkeys (Cebus apella) in a donation game.</i> Advised by Dr. Laurie Santos	2013
INTERESTS	Zoonotic diseases, urban wildlife, flying foxes, ecotoxicology, movement ecology	
GRANTS & FELLOWSHIPS	INTERN Grant, National Science Foundation (\$25,612)	2019
	Early Career Grant, National Geographic (\$5,000)	2017
	Exploration Fund Grant, Explorer’s Club Atlanta Chapter (\$1,000)	2017
	Innovative & Interdisciplinary Research Grant, University of Georgia (\$2,260)	2017
	ARCS Foundation Award, ARCS Foundation (\$23,000)	2016–2019
	Innovative & Interdisciplinary Research Grant, University of Georgia (\$1,000)	2016
	Small Grant for Graduate Research, Odum School of Ecology (\$1,470)	2016
	Innovative & Interdisciplinary Research Grant, University of Georgia (\$1,500)	2015
	Small Grant for Graduate Research, Odum School of Ecology (\$1,446)	2015
	Exploration Fund Grant, Explorer’s Club (\$1,800)	2015
	Grant-in-Aid of Research, American Society of Mammalogists (\$1,500)	2015
	Graduate Research Fellowship, National Science Foundation (\$138,000)	2014–2017
	Tetelman Fellowship, Yale University (\$7,360)	2012
Richter Summer Fellowship, Yale University (\$1,000)	2012	
STARS Summer Fellowship, Yale University (\$3,000)	2011	
AWARDS	Robert C. Anderson Memorial Award, University of Georgia (\$1,000)	2021
	Carl Storm Underrepresented Minority Fellowship, Gordon Conference (\$600)	2019
	Frank Golley Memorial Award, Odum School of Ecology (\$750)	2017
	1st Place Presentation, Annual Research Symposium, UGAscWDA (\$500)	2017
	1st Place Poster, Annual Research Symposium, UGA scWDA (\$200)	2016
	Graduate Student Diversity Engagement Award, University of Georgia (\$1,000)	2016
	1st Place Presentation, Annual Research Symposium, UGAscWDA (\$500)	2015
Graduate Diversity Award, Odum School of Ecology (\$500)	2015	
National Merit Scholarship Program Finalist, Phillips Exeter Academy	2009	

PUBLICATIONS * These authors contributed equally

Sánchez CA*, Vaz J*, Drake JM. Spillover of zoonotic pathogens: A review of reviews. In press at *Zoonoses and Public Health*. doi: 10.1111/zph.12846

Sánchez CA, Rios MJ, Murray MH. 2021. Social and environmental correlates of rat complaints in Chicago. *Journal of Urban Ecology*, 7(1): juab006. doi: 10.1093/jue/juab006

Sánchez CA, Ragonese IG, de Roode JC, Altizer S. 2021. Thermal tolerance and environmental persistence of a protozoan parasite in monarch butterflies. *Journal of Invertebrate Pathology*, 183:107544. doi: 10.1016/j.jip.2021.107544

Sánchez CA, Altizer S, Hall RJ. 2020. Landscape-level toxicant exposure mediates infection impacts on wildlife populations. *Biology Letters*, 16(11): 20200559. doi: 10.1098/rsbl.2020.0559

Hayward JA, Tachedjian M, Kohl C, Johnson A, Dearnley M, Jesaveluk B, Langer C, Solymosi PD, Hille G, Nitsche A, **Sánchez CA**, Werner A, Kontos D, Crameri G, Marsh GA, Baker ML, Pountourios P, Drummer HE, Holmes EC, Wang L-F, Smith I, Tachedjian G. 2020. Infectious KoRV-related retroviruses circulating in Australian bats. *Proceedings of the National Academy of Sciences*, 117(17): 9529-9536. doi: 10.1073/pnas.1915400117

Murray MH*, **Sánchez CA***, Becker DJ, Byers KA, Worsley-Tonks KEL, Craft ME. 2019. City sicker? A meta-analysis of wildlife health and urbanization. *Frontiers in Ecology and the Environment*, 17(10): 575-583. doi: 10.1002/fee.2126

McMichael L, Edson D, McKeown A, **Sánchez C**, Mayer D, Kopp S, Meers J, Field H. 2019. Hematology and plasma biochemistry of wild spectacled flying foxes (*Pteropus conspicillatus*) in Australia. *Journal of Wildlife Diseases*, 55(2): 449-454. doi: 10.7589/2018-04-096

Sánchez CA*, Becker DJ*, Barriga P, Brown LM, Majewska AA, Teitelbaum CS, Hall RJ, Altizer S. 2018. On the relationship between body condition and parasite infection in wildlife: a review and meta-analysis. *Ecology Letters*, 21(12): 1869-1884. doi: 10.1111/ele.13160

Kessler MK, Becker DJ, Peel AJ, Justice NV, Lunn T, Crowley DE, Jones DN, Eby P, **Sánchez CA**, Plowright RK. 2018. Changing resource landscapes and spillover of henipaviruses. *Annals of the New York Academy of Sciences*, 1429(1): 78-99. doi: 10.1111/nyas.13910

Sánchez C, Brown A. 2017. Creating our own community. *Science*, 355(6332): 1446. doi: 10.1126/science.355.6332.1446 (Perspective piece)

Sánchez CA, Baker ML. 2016. Disease risk perception and safety practices: A survey of Australian flying fox rehabilitators. *PLOS Neglected Tropical Diseases*, 10(2): e0004411. doi: 10.1371/journal.pntd.0004411

**WORK IN
ADVANCED
STAGES**

Murray MH, **Sánchez CA**. Urban rat exposure to anticoagulant rodenticides and zoonotic infection risk. Submitted to *Environmental Health Perspectives*.

Sánchez CA, Evans MV, Miller PB, Tredennick AT, Drake JM. Case notification is as reliable an indicator of transmission as symptom onset during the outbreak of COVID-19 in Georgia, USA. In preparation for *Theoretical Biology and Medical Modelling*.

Sánchez CA, Reardon T, O'Leary M, van Weenen J, Altizer S, Boardman WSJ. Body condition predicts grey-headed flying fox (*Pteropus poliocephalus*) foraging movements in an urban landscape. In preparation for *Movement Ecology*.

Sánchez CA, Penrose M, Kessler MK, Becker DJ, McKeown A, Hannappel M, Camus MS, Padgett-Stewart T, Peel AJ, Westcott DA, Rainwater TR, Chumchal MM, Cobb GP, Altizer S, Plowright RK, Boardman WSJ. Land use, season, and parasitism predict metal concentrations in Australian flying foxes. In preparation for *Environmental Science & Technology*.

Sánchez CA, Schmidt JP, Drake JM. Old World hantavirus outbreaks are associated with anthropogenic environmental impact. In preparation.

**SELECT
ABSTRACTS**

Sánchez CA, Hu B, Olival KJ, Zhu G, Zhang L, Li H, Chmura AA, Field HE, Zambrana-Torrel C, Epstein JH, Li B, Zhang W, Wang LF, Shi ZL, Daszak P. Correlates of coronavirus and paramyxovirus infection in wild bats in China, 2004-2019. Poster. 6th International Berlin Bat Meeting (virtual), 2021.

Sánchez CA, Hall RJ, Altizer S. Modeling joint effects of infectious disease and toxicant exposure in wildlife. Poster. Ecology and Evolution of Infectious Diseases Conference, Princeton University, Princeton, NJ, 2019.

Sánchez CA, Reardon T, O'Leary M, van Weenen J, Boardman WSJ, Altizer S. Individual and environmental predictors of grey-headed flying fox (*Pteropus poliocephalus*) foraging movements in an urban landscape. Poster. Gordon Conference on Movement Ecology of Animals, Barga, Italy, 2019.

Sánchez CA, Reardon TB, Boardman WSJ, Altizer S. Seasonal and individual predictors of grey-headed flying fox (*Pteropus poliocephalus*) foraging movements in Adelaide, South Australia. Presentation. 2nd International Symposium on Infectious Diseases of Bats, Fort Collins, CO, 2017.

Sánchez CA, Reardon TB, Boardman WSJ, Altizer S. Seasonal and individual predictors of grey-headed flying fox (*Pteropus poliocephalus*) foraging movements in Adelaide, South Australia and implications for disease. Presentation. 4th International Urban Wildlife Conference, San Diego, CA, 2017.

Sánchez CA, Reardon TB, Boardman WSJ, Altizer S. Foraging movements of grey-headed flying-foxes (*Pteropus poliocephalus*) roosting in Adelaide, South Australia. Presentation at the 6th Annual Student Research Symposium, UGA student chapter of the Wildlife Disease Association, Athens, GA, 2017. **1st Place Presentation.**

Sánchez CA, Reardon TB, Boardman WSJ, Altizer S. Foraging movements of grey-headed flying-foxes (*Pteropus poliocephalus*) roosting in Adelaide, South Australia. Presentation. 5th International Berlin Bat Meeting, Berlin, Germany, 2017.

Sánchez CA. Hungry dinner guests: flying foxes and Hendra virus in Australia. Presentation. Annual Meeting of the Ecological Society of America, Baltimore, MD, 2015.

Sánchez CA, Baker ML. Disease risk perception and safety practices: A survey of Australian flying fox rehabilitators. Presentation at the 4th Annual Student Research Symposium, UGA student chapter of the Wildlife Disease Association, Athens, GA, 2015. **1st Place Presentation.**

Sánchez CA, Baker ML. Disease risk perception and safety practices in Australian flying fox rehabilitators. Poster. Joint 4th oSTEM Annual Conference and Out to Innovate Summit, Atlanta, GA, 2014.

Sánchez CA, Burroughs A, Todd S, Smith IL, Crameri G, Wang L-F. Yarra Bend virus: Identification of a novel paramyxovirus found in a population of grey-headed flying foxes (*Pteropus poliocephalus*). Poster. Ivy Plus STEM Symposium for Diverse Scholars, University of Pennsylvania, Philadelphia, PA, 2012.

INVITED TALKS & SEMINARS “Toxicants and infection in wildlife: meta-analysis, modeling, and flying foxes.” Ecology and Evolution of Infectious Disease Seminar, UC Berkeley. Nov. 2020.

“Thermal tolerance and environmental persistence of a protozoan parasite in monarch butterflies.” Center for the Ecology of Infectious Diseases, UGA. Oct. 2020.

“Predictors of rat complaints in Chicago.” Lincoln Park Zoo, Chicago, Il. Sep. 2019.

“Life in the city: exploring the movement and diet of urban fruit bats in Australia.” PEO Chapter BK, Georgia. Feb. 2019.

“Modeling joint effects of infectious disease and toxicant exposure in a wildlife system.” Center for the Ecology of Infectious Diseases, UGA. Dec. 2018.

“Using GPS technology to examine foraging movements of Australian flying-foxes.” The Explorers Club Atlanta Chapter event, Georgia. Oct. 2017.

“Foraging movements of grey-headed flying-foxes (*Pteropus poliocephalus*) roosting in Adelaide, South Australia.” Environmental & Geospatial Sciences Departmental Seminar, University of South Australia, Mawson Lakes Campus. Mar. 2017.

GUEST LECTURES “Health consequences of urban living for Australian flying foxes.” BIOL 4101: Biology Seminar, Texas Tech University at Waco. Mar. 2021.

“Sharing space: Bats, urbanization, and conservation.” ECOL 3480: Ecology of Urbanized Landscapes, UGA. Feb. 2016.

“Zoonoses, Bats, and Emerging Infectious Diseases.” FYOS 1001: Odyssey Into the Natural Sciences, UGA. Sep. 2015.

ADDITIONAL TRAINING Urban Wildlife Health Fellow, Urban Wildlife Institute, Lincoln Park Zoo 2019
Ebola Modeling Workshop, Georgia Institute of Technology 2015
ICI3D Clinic on Dynamical Approaches to Disease Data, University of Florida 2014
BSL-3 Training, Australian Animal Health Laboratory, Geelong, VIC 2013–2014
Hendra virus working group meeting, Fitzroy Island, Australia 2013

OUTREACH Scientific advisor, BBC, Cities: Nature’s New Wild S01 E01. 2018
Student assistant, Global Women in STEM Leadership Summit 2016–2018
Co-founder, President, Women in Science at UGA (wisciuga.weebly.com) 2014–2016
Organizer, Bike 4 Bats, Geelong, VIC, Australia 2014
Educator, Bat Watch, Geelong, VIC, Australia 2014

DEPARTMENT SERVICE Student presentation judge, UGA Ecology Graduate Student Symposium 2015–2019
UGA Ecology Graduate Student Organization, Co-Leader 2015–2016
UGA Graduate Student Association Representative 2014–2015

**REVIEW
SERVICE**

Review Editor: *EcoHealth*. Reviewer: *Animals, EcoHealth, Ecology Letters, Movement Ecology, PLOS Neglected Tropical Diseases, PLOS ONE, SN Applied Sciences, Zoonoses and Public Health*