

## Curriculum Vitae – Jeremy Cohen

Yale University  
Department of Ecology and Evolutionary Biology  
Osborn Memorial Laboratories  
New Haven, CT, 06520

Email: [jeremy3cohen@gmail.com](mailto:jeremy3cohen@gmail.com)  
[Website](#) | [Google Scholar](#)  
[ORCID profile](#)

## Education

- **Ph.D., Biology (Ecology and Evolution)** – University of South Florida, Tampa, Florida. Dept. of Integrative Biology. *Recipient of university-wide Outstanding Dissertation Award.* **Advisor:** Dr. Jason Rohr. 08/2011 – 12/2016.
- **B.S., Biology (Ecology, Evolution, Behavior)** – State University of New York - Binghamton, Vestal, New York, Biology Dept. 08/2006 – 05/2010.

## Research Appointments

- **Postdoctoral Researcher** (Distribution modeling, big data, environmental niche) – Yale University, New Haven, CT, Dept. of Ecology and Evolutionary Biology. 2021-current. **PI:** Dr. Walter Jetz.
- **Postdoctoral Researcher** (Distribution modeling, big data, avian ecology) – University of Wisconsin-Madison, WI, Dept. of Forest and Wildlife Ecology, and Cornell Lab of Ornithology, Ithaca, NY. 2018-2020. **PIs:** Dr. Ben Zuckerman, Dr. Daniel Fink.
- **Postdoctoral Researcher** (Disease ecology, climate change, data synthesis) – University of South Florida, Tampa, FL, Dept. of Integrative Biology. **PI:** Dr. Jason Rohr. 2017-2018.
- **Graduate Researcher** (Disease ecology, climate change, amphibian declines) – University of South Florida, Tampa, FL, Dept. of Integrative Biology. 2011-2016. **PI:** Dr. Jason Rohr.
- **Biology Technician** – US Fish & Wildlife Service, Ash Meadows NWR, NV. 2011.
- **Research Apprentice** – University of Washington, Friday Harbor, WA. 2010.
- **Undergraduate Research Assistant** – Evolutionary Studies Lab at SUNY Binghamton, Vestal, NY, Biology Dept. 2009-2010. **PI:** Dr. David Sloan Wilson.

## Teaching Appointments

- **Visiting Instructor - Instructor of Record (upper/graduate level)** – University of Wisconsin, Madison, WI, Dept. of Forest and Wildlife Ecology. 2020 (Courses: 1, Semesters: 1)
- **Adjunct Professor - Instructor of Record (intermediate undergraduate level)** – University of South Florida, Tampa, FL, Dept. of Integrative Biology. 2017-2018. (Courses: 1, Semesters: 5)
- **Graduate Teaching Assistant** – University of South Florida, Tampa, FL, Dept. of Integrative Biology. 2011-2015. (Courses: 3, Semesters: 5, Sections: 15)
- **Undergraduate Teaching Assistant** – SUNY Binghamton, Vestal, NY, Biology Dept. 2009-2010. (Courses: 1, Semesters: 2, Sections: 4)

## Technical skills

My research primarily involves the use of GIS and remote sensing data, large databases and database synthesis, multivariate mixed-effects modeling, machine learning, high-performance computing, generalized additive models, dynamic species distribution models, occurrence and abundance modeling, and meta-analysis and quantitative literature review. I also have significant experience with model selection, nonlinear growth models, spatial and phylogenetic autocorrelation, spatial prediction, survival analysis, randomization tests, and sensitivity analysis. Each of my projects was completed entirely in R.

## Peer-reviewed Research Publications

§ = dissertation chapter; ¥ = postdoctoral project; \* = advised undergraduate student  
Personal contributions listed for middle-authored publications.

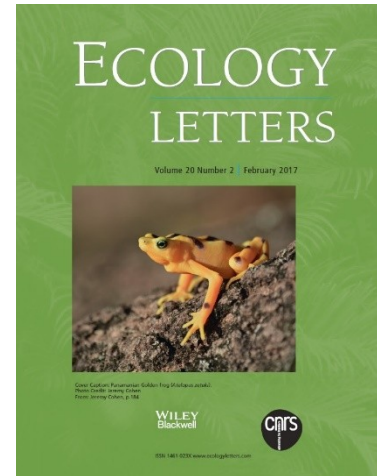
22. Gilbert, N., McGinn, K., Nunes, L., Shipley, A., Bernath-Plaisted, J., Clare, J., Murphy, P., Keyser, S., Thompson, K., Maresh Nelson, S., **Cohen, J.M.**, Widick, I., Bartel, S., Orrock, J., Zuckerberg, B. 2022. Daily activity patterns as an emerging means to explore ecological processes. In press at *Trends in Ecology and Evolution*.  
*Contribution:* Compiled data from literature, guided systematic review process, developed research questions
21. **Cohen, J.**¥, Fink, D., Zuckerberg, B. 2021. Extreme winter weather disrupts bird occurrence and abundance patterns at geographic scales. *Ecography*, 44, 1143-1155.  
**Media coverage** at [UW-Madison news](#), [The Wildlife Society](#), [Environmental News Network](#).
20. Rohr, J.R. and **Cohen, J.** 2020. Understanding how temperature shifts could impact infectious disease. *PLoS Biology*, 18(11), e3000938.  
*Contribution:* Co-wrote perspectives piece, created figures
19. **Cohen, J.**¥, Sauer, E.L., Santiago, O.\*, Spencer, S.\*, Rohr, J.R. 2020. Divergent impacts of warming weather on wildlife disease risk across climates. *Science*, 370, eabb1702.  
**Media coverage** at [PNAS](#), [Reuters](#), [MSN](#), [Yahoo news](#), [The Wildlife Society](#), [Japan times](#), [India times](#).
18. Shocket, M.S., Verwillow, A.B., Numazu, M.G., Slamani, H., **Cohen, J.**, El-Moustaid, F., Rohr, J.R., Johnson, L.R., Mordecai, E.A. 2020. Transmission of West Nile and five other temperate mosquito-borne viruses peaks at temperatures between 23-26°C. *eLife*, 2020; 9, e58511.  
*Contribution:* Compiled climate data, model validation, manuscript revisions
17. Zuckerberg, B., **Cohen, J.**, Nunes, L., Bernath-Plaisted, J., Clare, J., Gilbert, N., Kozidis, S., Nelson, S., Shipley, A., Thompson, K., Desrochers, A. 2020. A review of overlapping landscapes: a violation of statistical independence or a red herring in landscape ecology? *Current Landscape Ecology Reports*, 2020: 1-9.  
*Contribution:* Compiled data from literature, managed dataset, created figures, developed questions
16. **Cohen, J.**¥, Fink, D., Zuckerberg, B. 2020. Avian responses to extreme weather across functional traits and temporal scales. *Global Change Biology*, 26(8), 4240-4250.  
**Media coverage** at [NASA Earth](#), [NASA Earthdata](#), [eBird](#), [The Wildlife Society](#), [UW-Madison news](#),

[Inside ecology](#), Wisconsin Public Radio.

15. Sauer, E.L., **Cohen, J.**, McMahon, T., Lajeunesse, M., Civitello, D.J., Knutie, S.A., Nguyen, K., Roznik, E.A., Sears, B., Bessler, S., Delius, B., Halstead, N., Ortega, N., Venesky, M.D., Young, S., Rohr, J.R. 2020. A meta-analysis reveals temperature, dose, life stage, and taxonomy influence host susceptibility to a fungal parasite. *Ecology*, 101(4), e02979.  
*Contribution:* Compiled data from literature, compiled climate data, manuscript revisions  
**Featured on issue cover.**
14. Johansson, M.A., Apeldorf, K.M., Dobson, S., Devita, J., Buczak, A., Baugher, B., Moniz, L.J. .... **Cohen, J.**, et al. 2019. An open challenge to advance probabilistic forecasting for dengue epidemics. *Proceedings of the National Academy of Sciences*, 116(48), 24268-24274.  
*Contribution:* Compiled climate data
13. Rohr, J.R. Civitello, D., **Cohen, J.**, Roznik, B., Sinervo, B., Dell, A. 2019. Different metrics of thermal acclimation yield similar effects of latitude, acclimation duration, and body mass on acclimation capacities. *Global Change Biology*, 25, e3-e4.  
*Contribution:* manuscript revisions
12. **Cohen, J.**<sup>‡</sup>, McMahon, T., Ramsay, C., Roznik, E.A., Sauer, E.L., Bessler, S., Civitello, D.J., Delius, B., Halstead, N., Knutie, S.A., Nguyen, K., Ortega, N., Sears, B., Venesky, M.D., Young, S., Rohr, J.R. 2019. Impacts of thermal mismatches on disease prevalence are moderated by life stage, body size, elevation, and latitude. *Ecology Letters*, 22(5), 817-825.  
**Featured on cover.**
11. **Cohen, J.**<sup>§</sup>, Civitello, D., Venesky, M., McMahon, T., Rohr, J.R. 2019. An interaction between climate change and infectious disease drove widespread amphibian declines. *Global Change Biology*, 25(3), 927-937.
10. Rohr, J.R., Civitello, D., **Cohen, J.**, Roznik, B., Sinervo, B., Dell, A. 2018. The complex drivers of thermal acclimation and breadth in ectotherms. *Ecology Letters*, 21(9), 1425-1439.  
*Contribution:* Compiled data from literature, fit thermal performance curves to data, manuscript revisions  
**Featured on issue cover.**
9. **Cohen, J.**<sup>§</sup>, Lajeunesse, M., Rohr, J. 2018. A global synthesis of animal phenological responses to climate change. *Nature Climate Change*, 8, 224-228.  
**Media coverage** at [National Geographic](#), [ScienceDaily](#), [E&E News](#), [Innovation Toronto](#), [PointBlue](#), [Florida Climate Institute](#)
8. Johnson, L.R., Gramancy, R.B., **Cohen, J.**, Mordecai, E., Murdock, C., Rohr, J.R., Ryan, S.J., Stewart, A.M., Weikel, D. 2018. Phenomenological forecasting of disease incidence: a dengue case study. *The Annals of Applied Statistics*, 12(1), 27-66.  
*Contribution:* Compiled climate data, manuscript revisions



7. Mordecai, E., **Cohen, J.**, Evans, M., Gudapati, P., Johnson, L., Miazgowiec, K., Murdock, C., Rohr, J., Ryan, S., Savage, V., Shocket, M., Stewart, A., Thomas, M., Weikel, D. 2017. Predicting human cases of Zika, dengue and chikungunya using mechanistic temperature models. *PLOS Neglected Tropical Diseases*, 11, e0005568.  
**Contribution:** Compiled climate data, model validation, manuscript revisions  
**Media coverage** at [Reuters](#), [ScienceDaily](#), [Orlando Sentinel](#), [NPR](#), [NBC Bay Area](#), [FOX13](#), [ABC Action News](#)
  
6. **Cohen, J.**<sup>§</sup>, Venesky, M., Sauer, E., Civitello, D., McMahon, T., Roznik, B., Rohr, J. 2017. The thermal mismatch hypothesis explains outbreaks of an emerging infectious disease. *Ecology Letters*, 20 (2), 184-193.  
**Featured on issue cover.**  
**Featured in Nature:** Sohn, Hothouse of disease, 543: S44–S46.
  
5. **Cohen, J.**<sup>§</sup>, Civitello, D., Brace, A., Feichtinger, E., Ortega, N., Richardson, J., Sauer, E.L., Rohr, J. 2016. Spatial scale modulates the strength of ecological processes driving disease distributions. *Proceedings of the National Academy of Sciences*, 113, E3359-E3364.  
**Selected as best student paper of 2015-2016 academic year** by the Ecological Society of America disease section.  
**Media coverage** at [ScienceDaily](#), [EnvironmentalResearchWeb](#), [News-Medical](#)
  
4. Civitello, D., **Cohen, J.**, Fatima, H., Halstead, N., Liriano, J., McMahon, T., Ortega, N., Sauer, E., Sehgal, T., Young, S., Rohr, J. 2015. Reply to Salkeld et al.: Diversity-disease patterns are robust to study design, selection criteria, and publication bias. *Proceedings of the National Academy of Sciences*, 112, E6262.  
**Contribution:** manuscript revisions
  
3. Civitello, D., **Cohen, J.**, Fatima, H., Halstead, N., Liriano, J., McMahon, T., Ortega, N., Sauer, E., Sehgal, T., Young, S., Rohr, J. 2015. Biodiversity inhibits natural enemies: broad evidence for the dilution effect. *Proceedings of the National Academy of Sciences*, 112, 8667-8671.  
**Contribution:** Compiled data from literature, devised statistical analyses, manuscript revisions  
**Showcased by commentaries in PNAS and Science.**  
**Media coverage** at [NPR](#), [ScienceDaily](#), [Earth Island Journal](#)
  
2. O'Brien, D.T., Norton, C., **Cohen, J.**, Wilson, D.S. 2014. Local adaptation in community perception: how background impacts judgments of neighborhood safety. *Environment and Behavior*, 46, 213-240.  
**Contribution:** Collected field and lab data
  
1. Li, Y., **Cohen, J.**, Rohr, J.R. 2013. A review and synthesis of the effects of climate change on amphibians. *Integrative Zoology*, 8, 145-161.  
**Contribution:** Co-wrote paper



## Submitted Manuscripts

1. **Cohen, J.M.** and Jetz, W. Strategies of seasonal environmental niche tracking at hemispheric scale. In review at *Global Ecology and Biogeography*. [Preprint](#).
2. Sauer, E.L., Venesky, M.D., McMahon, T.A., **Cohen, J.M.**, Bessler, S., Brannelly, L.A., Boone, M.D., Brem, F., Halstead, N., Hyman, O., Johnson, P.T., Richards-Zawacki, C.L., Rumschlag, S.L., Sears, B., Rohr, J.R. Resolving competing hypotheses: are novel or locally-adapted pathogens more devastating? In review at *Nature Ecology and Evolution*.  
*Contribution:* Compiled climate data and geographic distances, assisted statistical analyses and writing.
3. Morrison, M., **Cohen, J.M.**, Gurarie, E., Van Deelen, T.R. Environmental drivers and fitness consequences of short-distance migration under climate change. In review at *Canadian Journal of Zoology*.  
*Contribution:* Compiled weather data, guided statistical analyses and writing. First author is an advised M.S. student.
4. Rohr, J.R., Mahon, M.B., Sack, A., Barbera, C., Brown, E., Buelow, H., Civitello, D.J., **Cohen, J.M.**, de Wit, L., Forstchen, M., Halliday, F.W., Heffernan, P., Knutie, S.A., Korotas, A., Larson, J., Rumschlag, S.L., Selland, E., Shepack, A., Vincent, N., Young, O.A. Global change drivers and the risk of infectious disease. In review at *Nature*. [Preprint](#).  
*Contribution:* Compiled data from literature, statistical consultation, comments on writing.

### Non-peer-reviewed publications

- Rumschlag, S.\* and **Cohen, J.\*** (\*equal co-authors). Forecasting and preventing the next outbreak: perspectives on infectious disease management. *Journal of Applied Ecology*, June 2017.
- **Cohen, J.** Climate misconceptions pose serious threat. University of South Florida Oracle, July 2012.

### Awards and Grants

- **Distinguished speaker award**, Department of Natural Resources Ecology and Management, Oklahoma State University, April 2022.
- First-authored paper selected for cover of *Ecology Letters*. May 2019.
- Contributed to a supplement for an NSF Macrosystems grant to fund two Research Experiences for Undergraduates (REU) students (\$6,000). January 2018.
- **University of South Florida Outstanding dissertation award for 2016-2017 academic year** (\$1,000). Awarded to top 3 dissertations out of ~300 PhD graduates in academic year. October 2017.
- Contributed to submitted NSF Macrosystems grant “Global climate change, phenological shifts, and effects on species interactions across scales”. October 2017 and October 2016. PIs: Jason Rohr, Marc Lajeunesse, Anthony Dell.
- Submitted and reached final round of British Ecological Society early career fellowship: “Host susceptibility to infectious disease under global climate change”. July 2017.
- Invited to attend *Vectorbite* 2017 in London, UK and awarded £1,000 for travel. June 2017.
- First-authored paper selected for cover of *Ecology Letters*. February 2017.
- University of South Florida Integrative Biology Department travel grant (\$450). October 2016.
- Porter Family Foundation research grant (\$500). October 2016.

- **Best student paper of 2015-2016 academic year in disease ecology by the disease section of the Ecological Society of America** (\$150). August 2016.
- **University of South Florida Graduate School dissertation completion fellowship** (\$10,000 + tuition waivers for two semesters). January 2016.
- University of South Florida Integrative Biology Department travel grant (\$450). October 2015.
- NOAA Dengue Forecasting Challenge - One of three teams (of 17) invited to speak in Washington, D.C. (lead author Dr. Leah Johnson). September 2015.
- Awarded 160 captive-bred *Atelopus zeteki* for research purposes from the National Zoo, Baltimore, MD - Proposal title: *Atelopus* spp. Research Results and Proposal: Does temperature variability impact the susceptibility of *Atelopus* spp. to disease? August 2014.

## Teaching Experience

- **Instructor of Record – synchronous online course:** FWE/ZOO 660: Climate Change Ecology (upper level/graduate course). University of Wisconsin-Madison, Fall 2020.

<b>Student Evaluations</b> <i>optional online evaluations</i>	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
You learned a lot in this course	6	8	0	0	0
The instructor is well above average at UW-Madison	2	6	3	0	0
Overall, the course was better than others at UW-Madison	2	12	0	0	0

- **Instructor of Record – asynchronous online course:** BSC 2932: Biology Skills (intermediate level). University of South Florida, Summer 2017, Fall 2017, Spring 2018, Summer 2018, and Fall 2018.
- **Graduate Teaching Assistant:** BIOL 1005: Introduction to Biology for Non-Majors (introductory level). University of South Florida, Fall 2011, Spring 2012, and Spring 2015 (11 sections). Developed curriculum activity for undergraduates, “National selection and Genetic drift”. This activity has been used to teach thousands of students over nearly 10 years and has been taught in high school workshops for Darwin Day programs.
- **Graduate Teaching Assistant:** BIOL 2011: Introduction to Biology 2 lecture (introductory level), University of South Florida, Spring 2013 (one 400 student section).
- **Graduate Teaching Assistant:** BIOL 2011L: Introduction to Biology 2 lab (introductory level), University of South Florida, Spring 2012 and Fall 2012 (3 sections).
- **Undergraduate Teaching Assistant:** BIO 117: Introduction to Biology: Ecology, Evolution, Behavior lab (introductory level). SUNY Binghamton, Fall 2009 and Spring 2010 (4 sections).
- **Workshops and certifications:** Online Instructor Certified. University of South Florida, May 2017. Completed training in fostering online discussion through The Discussion Project, University of Wisconsin-Madison, August 2020.

## Mentoring Experience

- **Mentored 13 undergraduate research students** (minimum of 6 months each), including **two REU students**, Olivia Santiago and Samuel Spencer. Students were taught procedures for animal care, pathogen culturing, exposing hosts to pathogens, testing hosts for infection, DNA extractions, quantitative PCR, data extraction from papers, dataset management, and R. Three students generated and presented research posters at symposia or local meetings.
- **Committee member for Master's student**, Megan Morrison, in the department of Forest and Wildlife Ecology, University of Wisconsin. 2019-2021.

## Oral Presentations

- **Contributed Talk:** Cohen, J., Ellis-Soto, D., Makinen, J., Sharma, S., Bodensteiner, B., Laterza-Barbosa, J. "Species distribution models are improved by incorporating thermal physiology." Society for Integrative and Comparative Biology, Austin, TX, January 2023.
- **Invited Cross-departmental Seminar:** "Responses of North American birds to climate change across temporal scales." Yale Institute for Biospheric Studies, Yale University, October 2022.
- **Invited Symposium Talk:** Cohen, J., Fink, D., Zuckerberg, B. "eBird data informs responses of North American birds to extreme weather." Ecological Society of America, Montreal, Canada, August 2022.
- **Invited Departmental Seminar, NREM Distinguished Speaker:** "eBird citizen-science data reveals how North American birds respond to extreme weather" Dept. of Natural Resources Ecology and Management, Oklahoma State University, April 2022.
- **Invited Symposium Talk:** Cohen, J., Fink, D., Zuckerberg, B "Responses of North American birds to extreme weather across functional groups" Symposium on Winter Birds and Climate change, University of Jyväskylä, Finland, February 2022.
- **Invited Symposium Talk:** Cohen, J., Sauer, E., Rohr, J. "An interaction between climate change and infectious disease caused widespread amphibian declines." The Wildlife Society meeting (virtual), September 2020.
- **Invited Symposium Talk:** Cohen, J., Sauer, E., Rohr, J. "An interaction between climate change and infectious disease caused widespread amphibian declines." 9<sup>th</sup> World Congress of Herpetology, Dunedin, New Zealand, January 2020.
- **Invited Symposium Talk:** Cohen, J., Lajeunesse, M., Rohr, J. "A global synthesis of phenological responses to climate change in amphibians and other taxa." 9<sup>th</sup> World Congress of Herpetology, Dunedin, New Zealand, January 2020.
- **Invited Lecture:** Cohen, J., Fink, D., Zuckerberg, B. "North American birds and weather extremes: an analysis using eBird data." University of Wisconsin – Madison, UW Advance program, July 2019.
- **Weekly Seminar:** Cohen, J., Fink, D., Zuckerberg, B. "North American birds and weather extremes: an analysis using eBird data." Cornell Lab of Ornithology, May 2019.
- **Invited classroom lecture:** "Thesis/dissertation structure and strategy", in Graduate Skills, University of South Florida, November 2017.
- **Awards Talk:** "How does global climate change impact wildlife?" University of South Florida, October 2017.
- **Invited Departmental Seminar:** "Climate change drives disease distributions across spatial and temporal scales." Wildlife Conservation Dept., University of Florida, October 2017.
- **Contributed Talk:** Cohen, J., Lajeunesse, M., Rohr, J. "A global synthesis of phenological responses to climate change." Ecological Society of America, Portland, OR, August 2017.

- **Contributed Talk:** Cohen, J., Venesky, M., Sauer, E., Civitello, D., McMahon, T., Rohr, J. “Outbreaks of the amphibian chytrid fungus *Batrachochytrium dendrobatidis* are controlled by host adaptations to climate.” 8th World Congress of Herpetology, Hangzhou, China, August 2016.
- **Invited Lecture:** “Outbreaks of the amphibian chytrid fungus *Batrachochytrium dendrobatidis* are controlled by host adaptations to climate”, in Introductory Biology 2. University of Tampa, April 2016.
- **Contributed Talk:** Cohen, J., Venesky, M., McMahon, T., Civitello, D., Rohr, J. “Outbreaks of the amphibian chytrid fungus *Batrachochytrium dendrobatidis* are controlled by host adaptations to climate.” Society for Integrative and Comparative Biology, Portland, OR, January 2016.
- **Contributed Talk:** Johnson, L., Gramacy, R., Rohr, J., Cohen, J., Mordecai, E., Murdoch, C., Ryan, S., Stewart, A., Weikel, D. “A pragmatic approach to forecasting dengue incidence.” Pandemic Prediction and Forecasting Science and Technology Working Group, Washington D.C., September 2015.
- **Contributed Talk:** Cohen, J., Civitello, D., Brace, A., Feichtinger, E., Ortega, N., Richardson, J., Sauer, E., Rohr, J. “Spatial Scale Drives Process and Pattern: Support for a Classic Hypothesis in Macroecology.” Ecological Society of America, Baltimore, MD, August 2015.
- **Invited Lecture:** “GIS and Species Distribution Models in R”, in Temporal and Spatial Scales in Ecology. University of South Florida, March 2014.

## Poster Presentations

\* advised undergraduate researchers

- Spencer, S.\*, Santiago, O.\*, Cohen, J., Rohr, J. Which host-parasite systems will be most impacted by changing climate patterns? Southeastern Ecology and Evolution conference, Miami, FL, October 2018.
- Cohen, J., Venesky, M., Sauer, E., Civitello, D., McMahon, T., Rohr, J. The *thermal mismatch hypothesis* explains outbreaks of an emerging infectious disease. Southeastern Ecology and Evolution conference, Miami, FL, October 2018.
- Cohen, J., Venesky, M., Sauer, E., Civitello, D., McMahon, T., Rohr, J. The *thermal mismatch hypothesis* explains outbreaks of an emerging infectious disease. Evolution and Ecology of Infectious Diseases, Santa Barbara, CA, June 2017.
- Cohen, J., Venesky, M., Sauer, E., Civitello, D., McMahon, T., Rohr, J. The thermal mismatch hypothesis explains outbreaks of an emerging infectious disease. NSF Macrosystems meeting, Arlington, VA, September 2016.
- James, T.\*, Cohen, J., Venesky, M., Argento, N.\*, Folse, H.\*, Gionet, C.\*, Koshy, C.\*, Malave, C.\*, Martinez-Rodriguez, L.\*, Rubano, S.\*, Vazquez, K.\* & Rohr, J. Did an interaction between high temperatures and disease cause widespread extinctions in *Atelopus* spp.? USF Undergraduate Research Colloquium, Tampa, FL, April 2016.
- Cohen, J., Civitello, D., Brace, A., Feichtinger, E., Ortega, N., Richardson, J., Sauer, E., Rohr, J. Spatial Scale Drives Process and Pattern: Support for a Classic Hypothesis in Macroecology. VectorBite meeting, Clearwater, FL, March 2016.
- Cohen, J., Civitello, D., Brace, A., Feichtinger, E., Ortega, N., Richardson, J., Sauer, E., Rohr, J. Spatial Scale Drives Process and Pattern: Support for a Classic Hypothesis in Macroecology. NSF Macrosystems meeting, Arlington, VA, August 2015.



- Norton, C., Cohen, J., O'Brien, D.T. Cross-Cultural Differences in Community Perception. Northeastern Evolutionary Psychology Society, March 2010.

## Continuous Volunteer Service and Outreach

- I have **reviewed 47 manuscripts** for *Scientific Reports* (6), *PNAS* (4), *Global Change Biology* (4), *Journal of Experimental Zoology A* (3), *Ecology* (2), *Conservation Biology* (2), *Ibis* (2), *Diseases of Aquatic Organisms* (2), *BMC Ecology* (2), *PLOS One* (2), *Diversity* (2), *Trends in Ecology and Evolution*, *Ecology Letters*, *Molecular Ecology*, *Functional Ecology*, *Journal of Thermal Biology*, *Biological Conservation*, *EcoHealth*, *Journal of Biogeography*, *Ornithological Applications*, *Journal of Infectious Diseases*, *Journal of Caribbean Ornithology*, *Regional Environmental Change*, *Journal of Medical Entomology*, *Current Landscape Ecology Reports*, *Herpetologica*, and *The Science of Nature*.
- I am a semi-professional wildlife photographer and **routinely provide other researchers, journals, educators and press with photos** for journal covers, presentations, figures, blog posts and articles. My photos have been instrumental for promoting mine and others' research, and have appeared on journal covers 11 times: *Ecology Letters* (February 2017, September 2018, May 2019, June 2019, November 2020), *Journal of Animal Ecology* (June 2019), *Journal of Experimental Biology* (July 2019), *Ecology and Evolution* (November 2019), *Ecosphere* (January 2020), *Ecology* (April 2020), *Journal of Applied Ecology* (January 2023). [Photography](#)
- I run a Facebook page with over 5,500 followers from across the world in which I communicate research findings and share photography of birds and other wildlife. [Link](#)

## Past Volunteer Service and Outreach

- Public presentation: "Birds and extreme weather." Madison Audubon society, Madison, WI. October 2020.
- Interview about birds and climate change with Wisconsin Public Radio including Q&A from callers. September 2020.
- Science Olympiad instructor (Ornithology) for middle and high school students in Madison, Wisconsin. October 2019 – March 2020.
- Public presentation: Florida Birding 101, Main Branch, St. Petersburg, FL, Public Library. August 2018.
- Laboratory tour guide, University of South Florida (USF) STEM Academy, gave six short presentations to incoming college freshmen about my research and what it's like to be an ecologist. August 2018.
- Volunteered to educate preschool students about frogs at USF Preschool for creative learning, July 2018.
- Volunteer poster judge for USF Graduate Research Symposium. March 2018.
- Volunteer at Learning Gate Community School. Assisted Bioblitz program at elementary school as an expert herpetologist to find and identify species on campus for students aged 6-12. Tampa, Florida, May 2017.
- Volunteer middle school science fair judge for Hillsborough county STEM fair. Judged middle school science fair projects chosen to compete at the county level. Tampa, Florida, February 2016.

- Volunteer tour guide and naturalist at Hillsborough Co. State Park (FL) for middle school students as part of federal GEAR UP program. Tampa, Florida, January 2016.
- USF Integrative Biology Department curriculum committee graduate student representative. Provided feedback on decisions involving the alteration of undergraduate and graduate courses in the department. September 2014-April 2015.
- Volunteer at Jane Goodall's Roots and Shoots event. Educated 1st-4th graders from a local elementary school about the role of honeybees in pollination. Tampa, Florida, September 2014.
- Educated 1st-3rd graders about freshwater ecosystem diversity for USFWS at Ash Meadows National Wildlife Refuge, Amargosa Valley, NV. Led educational tours of freshwater ecosystems for school trips. April 2011.

## **References**

### **Dr. Jason Rohr (PhD Advisor/Postdoc PI, 2011-2018)**

#### **Professor**

University of Notre Dame  
(Formerly University of South Florida)  
Ecology and Public Health  
Email: [jasonrohr@gmail.com](mailto:jasonrohr@gmail.com)  
Phone: (574) 631-3587

### **Dr. Benjamin Zuckerberg (Postdoc PI, 2018-2020)**

#### **Associate Professor**

University of Wisconsin-Madison  
Department of Forest and Wildlife Ecology  
Email: [bzuckerberg@wisc.edu](mailto:bzuckerberg@wisc.edu)  
Phone: (608) 262-8879

### **Dr. Walter Jetz (Postdoc PI, 2021-2022)**

#### **Professor**

Yale University  
Email: [walter.jetz@yale.edu](mailto:walter.jetz@yale.edu)  
Phone: (203) 432-7540

### **Dr. Daniel Fink (Postdoc PI, 2018-2020)**

#### **Senior Research Associate**

Cornell Lab of Ornithology  
Email: [daniel.fink@cornell.edu](mailto:daniel.fink@cornell.edu)  
Phone: (607) 254-2401