

Anat M. Belasen, PhD

Research Associate

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1. APPOINTMENTS

- **University of Texas at Austin: Research Associate**
(Austin, TX) 2024-present
- **University of Texas at Austin: Postdoctoral Fellow**
(Austin, TX) 2021-2024
- **Smithsonian Center for Conservation Genomics: Research Affiliate**
(Washington, DC) 2019-present
- **Cornell University: Postdoctoral Fellow**
(Ithaca, NY) 2019-2021

2. EDUCATION

University of Michigan Department of Ecology and Evolutionary Biology (Ann Arbor, MI)

- **Doctor of Philosophy**, Ecology and Evolutionary Biology, August 2019
- Thesis: The impacts of habitat fragmentation on amphibian health in the Brazilian Atlantic Forest biodiversity hotspot
- Dissertation Committee: Dr. Timothy James (chair), Dr. Lacey Knowles, Dr. Meghan Duffy, Dr. Johannes Foufopoulos

University of Michigan School of Natural Resources and Environment (Ann Arbor, MI)

- **Master of Science**, Natural Resources and Environment: Conservation Ecology, April 2013
- Thesis: Evaluating potential impacts of climate change on island populations of the Aegean Wall Lizard, *Podarcis erhardii*
- Committee Members: Dr. Johannes Foufopoulos (chair), Dr. Barry Sinervo (UC Santa Cruz)

Tulane University

- **Bachelor of Science**, Ecology and Evolutionary Biology, minor specialization in French, August 2008
- Advisor: Dr. Lee Dyer

3. COMMUNITY SCIENCE EXPERIENCE

I Semana de Herpetologia, Parque Estadual de Ibitipoca: Amphibian Disease in Brazil Minas Gerais, Brasil (2023)

- Interacted with members of the public and state park rangers through informal animal capture and disease sampling demos, one-on-one discussions, and a public talk (see below)
- Led nighttime frog survey in park forest and stream habitats

Natural Area Preservation: Herpetological Inventory Coordinator

(Ann Arbor, MI) 2013

- Trained and oversaw volunteers collecting data on herpetofauna in Ann Arbor city parks, including salamander and turtle visual encounter surveys, frog and toad nighttime call surveys, and turtle nest surveys and nest predator enclosure installation
- Designed and led weekly Citizen Science turtle monitoring canoe expedition with 6th-8th graders
- Led all-age community natural history walks through city parks

BioBlitz leader

- University of Texas Hill Country Field Station (2024) – Herpetofauna and general Biodiversity
- D-Town Farm, Detroit, MI (2017-2019) – Herpetofauna and Fungi
- Black Pond Woods, Ann Arbor, MI (2016) – Herpetofauna and Fungi
- For-Mar Nature Preserve and Arboretum (2014) – Herpetofauna, Amphibian Disease sampling

4. EXPERIENCE IN K-12 EDUCATION AND OUTREACH

FEMMES (Females Exceling More in Math, Engineering, and Science)

(Southeast Michigan)

- Designed and led hands-on STEM activities for 2nd-6th grade girls from southeast Michigan
- Organizational leadership positions:
 - Executive Board: Campus Inclusiveness Coordinator (2018-present), Secretary (2017-2018), PR/Social Media Coordinator (2016-2017)
 - STEM Activities Events Volunteer (2013-2016)

Science Olympiads: Event Coach

(Ypsilanti, MI) 2013-2019

- High school level: Herpetology (2018-2019)
- Middle school level: Microbe Mission, Anatomy & Physiology (2016-2017); Herpetology (2018)
- Elementary school level: Disease Detectives (2013-2015), Chemistry (2014-2015) Health/Pentathlon (2013-2014)

GISE (Girls in Science and Engineering) Camp: Human Genetics Instructor

(Ann Arbor, MI) 2016-2019

- Redesigned course to include modern concepts (genomics, advanced molecular techniques) at a digestible level for middle schoolers
- Designed hands-on lab-based exercises that followed typical molecular protocol from sample collection to DNA extraction to sequencing and analysis
- Created concept map activity to help students collaborate and connect ideas from molecules to genomes
- Organized research symposium where students created research posters and presented their findings

5. SELECTED PUBLIC TALKS AND PRESENTATIONS

- Jewish Community Center Pre-School, New Orleans, LA (2024) – **Presentation:** What makes a frog a frog?
- Desert Sky Montessori School Otter Class (Grade K-1), Bend, OR (2024) – **Presentation:** All About Amphibians

- I Semana de Herpetologia, Parque Estadual de Ibitipoca, Minas Gerais, Brasil (2023) – **Seminar (in Portuguese):** Interações entre a fragmentação da Mata Atlântica e a ocorrência de doenças em anfíbios (Interactions between Atlantic Forest fragmentation and amphibian disease)
- Quiocassin Middle School Grade 6, Henrico, VA (Virtual, 2019) – **Presentation:** Skype a Scientist: What is it like to be a frog biologist?

8. RESEARCH POSITIONS

- **University of Michigan Herbarium Mycology Division: Research Assistant** (Ann Arbor, MI) Winter 2016
- **University of Michigan Museum of Zoology Herpetology Division: Curatorial Assistant** (Ann Arbor, MI) Fall 2015
- **University of Michigan Museum of Zoology, Fish Division: Research Assistant** (Ann Arbor, MI) 2010-2011
- **La Selva Biological Station: Field Research Assistant** (Costa Rica) 2007
- **Tulane University Entomology/Chemical Ecology Lab: Laboratory Assistant** (New Orleans, LA) 2006-2008

6. DIVERSITY, EQUITY, AND INCLUSION LEADERSHIP POSITIONS

PARC DEITT (Partners in Amphibian and Reptile Conservation – Diversity Equity and Inclusion Task Team)

- National Task Team Co-chair (2021-present)
- Steering Committee member (2019-2021)
- Inclusive Meeting Practices Team co-chair (2020-2021)
- Scholarship Team member (2019-2021)

Cornell University Department of Ecology and Evolutionary Biology (Ithaca, NY)

- Working group member, diversity, equity, inclusion, and justice in fieldwork (2020-present)
- Ad-hoc Diversity, Equity, and Inclusion committee member (2020)

ASIH (American Society of Ichthyologists and Herpetologists)

- Diversity, Equity, Inclusion, and Belonging Committee (2019-2021)

9. PROFESSIONAL TRAININGS

- Conservation Genomics, Flathead Lake Biological Station, Polson, MT (2023)
- Smith Fellowship professional trainings (2019-2021)
 - Leadership in conservation science, virtual (2021)
 - Facilitation in conservation science and stakeholder engagement, virtual (2020)
 - Media and political advocacy for conservation science, Washington, DC (2020)
 - Diversity, equity, and inclusion; Community engagement, Volcano, HI (2019)
 - Presenting research through storytelling, Milford, IA (2019)
- NextProf Science: Diversifying Academia, University of Michigan, Ann Arbor, MI (2019)
- Preparing Future Faculty, University of Michigan, Ann Arbor, MI (2018)
- Inclusive Teaching, University of Michigan, Ann Arbor, MI (2017)

6. AWARDS AND FELLOWSHIPS

- National Science Foundation Postdoctoral Fellowship in Biology, \$207,000 (2021-2024)
- David H. Smith Conservation Research Postdoctoral Fellowship, \$155,000 (2019-2021)
- Smithsonian Research Affiliate Grant, \$2,000 (2021)

- Rackham Predoctoral Fellowship, \$32,640 (2018-2019)
- Susan Lipschutz Award for promoting the success of women in academia, \$8,000 (2017)
- Rackham International Research Award, \$8,000 (2016)
- Gentry Award for best student oral presentation, Association for Tropical Biology and Conservation (2015)
- Science Communication Fellowship, Detroit Zoo Portal to the Public (2015)

8. GRANTS

- Collaborative Research: Parallel Evolution of Disease Tolerance in Wild Amphibian Species; NSF Evolutionary Processes (pending, submitted September 2024)
- Collaborator on FAPEMIG grant (Minas Gerais [Brazil] State Agency for Research and Development) – Amphibian genetics, diversification, and contact zones in Minas Gerais, PI: Renato C. Nali
- Collaborator on Resilience Institute Bridging Biological Training and Research (RIBBiTR) Pilot & Exploratory Project Grants
 1. "Ancient DNA Sequence Capture," PI: Jack Boyette
 2. "Investigating immunogenetic diversity as a mechanism of host resilience across scales," PI: Imani Russell
- Mycological Society of America Alexopoulos Mentor Student Travel Grant, \$1,000 (2018)
- Barr Bigelow Grant, Department of Ecology and Evolutionary Biology, University of Michigan, \$2,275 (2018)
- Block Grant, Department of Ecology and Evolutionary Biology, University of Michigan, \$2,287 (2017)
- Okkelberg Grant, Department of Ecology and Evolutionary Biology, University of Michigan, \$2,798 (2016)
- Graduate Student Travel Grant, American Society of Ichthyologists and Herpetologists, \$600 (2016)
- Rackham Graduate Student Research Grant, \$3,000 (2015); \$1,500 (2011)
- Wehmeyer Grant, Department of Ecology and Evolutionary Biology, University of Michigan, \$1,450 (2014)
- Amphibian Academy Travel Grant, Amphibian Ark, \$450 (2013)
- Master's Thesis Grant, University of Michigan School of Natural Resources, \$1,000 (2011)

7. TEACHING EXPERIENCE IN HIGHER EDUCATION

- **Universidade Federal de Juiz de Fora** (Minas Gerais, Brazil) 2023
 - **Molecular Techniques Applied to Biodiversity Research**, co-developed course on modern and ancient/collections-based genetic techniques to study wildlife populations and their parasites for Brazilian graduate students
- **Princeton University, Guest Lecturer** (Princeton, NJ) 2021
 - **Conservation Biology**, guest lecture and discussion around amphibian evolutionary genetics and health, path to professional career, research philosophy
- **Cornell University, Guest Lecturer** (Ithaca, NY) 2019-2020
 - **Ecology and Evolution of Infectious Diseases**, focused lecture and activities on emerging wildlife disease
- **U Michigan, Graduate Student Instructor (GSI)** (Ann Arbor, MI) 2011-2018
Courses taught:
 - **EEB Senior Capstone**: Winter 2018

- Developed lessons and activities based on newest literature in ecology and evolution
- Mentored students to develop independent research projects
- Recruited diverse guest lecturers for the course
- **Ecology Lab:** 2013, 2014 Field/Laboratory GSI, 2016, 2017 Writing/Statistics GSI
 - Lectured and led field-based labs
 - Mentored students to develop independent research projects
 - Developed new hands-on writing and statistics lab component
- **Introduction to Biology Lab:** Winter 2012, Winter 2014
 - Ran hands-on lab activities including enzyme experiment, cloning, PCR, and plant growth experiment
 - Mentored students to develop lab projects in small groups
- **Natural Resource Statistics** (graduate level): Winter 2013
 - Developed hands-on statistics activities and assessments
 - Assisted in development and evaluation of course exams
- **Biology of Fishes:** Fall 2011, Fall 2012
 - Ran field and specimen-based lab
 - Developed specimen-based lessons and quizzes
 - Maintained ichthyological teaching collections

10. SELECTED INVITED SEMINARS, TALKS, AND PANELS

- Loyola University, New Orleans, LA (2024) – **Seminar:** Using genetics to understand threats to amphibian health
- California Polytechnic State University, San Luis Obispo, CA (2024) – **Seminar:** Using genetics to understand threats to amphibian health
- Resilience Institute Bridging Biological Training and Research (RIBBiTR), virtual (2023) – **Seminar:** Introduction to Immunogenetics Research
- San Diego Zoo Conservation Science Seminar Series, virtual (2023) – **Seminar:** Using genetics and ancient DNA approaches to understand threats to amphibian health
- University of Texas at San Antonio, San Antonio, TX (2022) – **Seminar:** Of Frogs and Fungi: Evaluating the drivers of variation in *Batrachochytrium dendrobatidis* infection susceptibility in wild amphibians
- Texas Herpetological Society Annual Fall Symposium – **Keynote talk:** Amphibians and accomplices: working toward resilient communities of wildlife and researchers
- Global Amphibian and Reptile Disease conference, Knoxville, TN (2022) – **Panel:** Fostering Safe Workplaces and Diversity in Science
- American Society of Ichthyologists and Herpetologists at Joint Meeting of Ichthyologists and Herpetologists, Spokane, WA (2022) – **Panel:** Fieldwork strategies for graduate researchers
- American Society of Microbiology ASM Microbe Conference, Washington, DC (2022) – **Invited Talk:** Friends or foes?: Cross-domain microbial networks in the skin microbiome of a Brazilian Atlantic Forest endemic frog
- James Madison University, Harrisburg, VA (2021, virtual) – **Seminar:** Friends or foes?: Cross-domain microbial networks in the skin microbiome of a Brazilian Atlantic Forest endemic frog
- Binghamton University, Binghamton, NY (2021, virtual) – Annual Biology Symposium of the Department of the Biological Sciences, **Keynote talk:** Understanding challenges to amphibian health in fragmented landscapes

- Arkansas State University, Jonesboro, AR (2021, virtual) – **Seminar:** The genetic basis for disease susceptibility in amphibians
- American Society of Ichthyologists and Herpetologists (2020, virtual) – **Panel:** Navigating Ichthyology and Herpetology as a member of a marginalized group
- Humboldt State University, Arcata, CA (2020, virtual) – **Seminar:** Friends or foes?: Cross-domain microbial networks in the skin microbiome of a Brazilian Atlantic Forest endemic frog.
- Cornell University Tropical Biology and Conservation Group, Ithaca, NY (2019) – **Seminar:** Habitat fragmentation reduces genetic diversity and increases infections in Brazilian Atlantic Forest frogs
- Cornell University Symbiosis Group, Ithaca, NY (2019) – **Seminar:** Friends and Foes: skin microbiome communities of the Brazilian frog *Thoropa taophora*
- Eastern Michigan University, Ypsilanti, MI (2019) – **Seminar:** Habitat fragmentation increases amphibian infection susceptibility in the Brazilian Atlantic Forest
- University of Michigan, Ann Arbor, MI (2013) – **Panel:** Welcome Q&A for first year graduate women in the sciences, mathematics, computer science, and statistics

11. CONFERENCE PRESENTATIONS

- Amphibian Pathogens Annual Meeting
 - Nashville, TN (2024) – **Oral presentation:** Bd infections over space and time in threatened frogs of the western US
 - Nashville, TN (2023) – **Oral presentation:** Historical infections and genomic responses to Bd in threatened and endangered frogs of the western US
 - Virtual (2022) – **Keynote oral presentation:** Leveraging the past to preserve the future: Using museomics to assess the genetic basis for amphibian disease susceptibility
 - Virtual (2021) – **Poster presentation:** Endemic lineages of *Batrachochytrium dendrobatidis* are associated with reduced chytridiomycosis- induced mortality in amphibians: evidence from a meta-analysis of experimental infection studies
- Society for the Study of Amphibians and Reptiles, Ann Arbor, MI (2024) – **Oral presentation:** Leveraging the past to preserve the future: Using museomics to assess the genetic basis for amphibian disease susceptibility
- Arizona/New Mexico Chiricahua Leopard Frog Partner Meeting, Virtual (2024) – **Oral presentation:** Ranid Genomics and Disease
- Evolution, Albuquerque, NM (2023) – **Oral presentation:** Leveraging the past to preserve the future: Using museomics to assess the genetic basis for amphibian disease susceptibility
- Society for Integrative and Comparative Biology, Austin, TX (2023) – **Oral presentation:** Leveraging the Past to Preserve the Future: Using Museomics to Understand Amphibian Disease Responses
- Joint Meeting of Ichthyologists and Herpetologists
 - Spokane, WA (2022) – **Oral presentation:** Assessing the threat of *Batrachochytrium dendrobatidis* to ranid frogs of the Western US
 - Snowbird, UT (2019) – **Oral presentation:** Tropical frogs are more resilient but also sicker than we think
 - Rochester, NY (2018) – **Oral presentation:** Of Frogs and Microbes: Host genetics and ecological interactions structure amphibian skin microbiome diversity

- New Orleans, LA (2016) – **Oral presentation:** How does habitat fragmentation affect disease susceptibility? Examining the relationship between land-use and amphibian resilience in Brazilian forests
- Chattanooga, TN (2014) – **Poster presentation:** Investigating the skin mycoflora as a first line of defense against amphibian chytridiomycosis
- Albuquerque, NM (2013) – **Oral presentation:** Habitat selection in the Blue-spotted Salamander (*Ambystoma laterale-jeffersonianum* unisexual complex)
- American Genetic Association, Snowbird, UT (2021) – **Virtual speed talk:** Can we use the past to conserve the future?: Evaluating Bd susceptibility over space and time in the Foothill Yellow-legged Frog (*Rana boylei*) in California
- World Congress of Herpetology
 - Dunedin, Aotearoa New Zealand (2020) – **Oral presentation: (1)** Habitat fragmentation reduces genetic diversity and increases susceptibility to infections in frogs of the Brazilian Atlantic Forest; **(2)** Mitigation strategies for emerging amphibian diseases
 - Vancouver, BC (2012) – **Oral presentation:** Thermal preference, water loss, and thermal tolerances across island populations of the Aegean Wall Lizard, *Podarcis erhardii*
- International Mycological Congress, San Juan, PR (2018) – **Poster presentation:** Host genetics and ecological interactions structure amphibian skin microbiome diversity
- Partners in Amphibian and Reptile Conservation (PARC)
 - Cultural Competency & Diversity, Equity, and Inclusion in amphibian and reptile conservation
 - Joint Western PARC meeting (virtual, 2022)
 - Southeast PARC (virtual, 2022)
 - Michigan PARC, Lansing, MI (2019)
 - Michigan PARC, East Lansing, MI (2018) – **Invited oral presentation:** Mitigating wildlife disease: lessons from Bd
 - Michigan PARC, Grand Rapids, MI (2012) – **Poster presentation:** Habitat selection in Blue-spotted Salamanders
- Latin American Congress of Herpetology, Quito, Ecuador (2017) – **Oral presentation:** How does long-term habitat fragmentation affect disease susceptibility? Examining the relationships between geography, host genetics, and disease
- Mycological Society of America (MSA)
 - Berkeley, CA (2016) – **Oral presentation:** Effects of host genetics and immunity on the amphibian skin microbiome
 - East Lansing, MI (2014) – **Poster presentation:** Investigating the native skin mycoflora as a first line of defense against amphibian chytridiomycosis
- Association of Tropical Biology and Conservation (ATBC), Honolulu, HI (2015) – **Oral presentation:** Examining the interactions of landscape modification and disease
- International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, Athens, GR (2012) – **Poster presentation:** Physiology and thermal ecology in island populations of the Aegean Wall Lizard, *Podarcis erhardii*
- Ecological Society of America (ESA)
 - Minneapolis, MN (2013) – **Oral presentation:** Interactions of habitat fragmentation and climate change in Erhard's Wall Lizard, *Podarcis erhardii*
 - Portland, OR (2012) – **Poster presentation:** Thermal ecology in island populations of the Aegean Wall Lizard, *Podarcis erhardii*

7. PUBLICATIONS

25. Carneiro, C. Shields-Estrada, A., Boville, A. E., Xu, T., Arnott, R., Allen-Love, C., Puertas, M., Jacisin, J., Chapman Tripp, H., Basham, E., Zamudio*, K., and **Belasen*, A. M.** 2025. Toward a global science of conservation genomics: coldspots in genomic resources highlight a need for equitable collaborations and capacity building. *Molecular Ecology*, 0:e17729.

*joint senior authors

24. Arnott, R. L. W., Lopez, C. B., Rogers, M. N., Davis, D. R., Robinson, P. S., Kline, R. J., LaDuc, T. J., Zamudio, K., R., **Belasen, A. M.** 2024. Low historical prevalence of the fungal pathogen *Batrachochytrium dendrobatidis* in Black-spotted Newts (*Notophthalmus meridionalis*) from Texas and Mexico. *Herpetological Review* 55.

23. Carvalho*, T., **Belasen*, A. M.**, Toledo, L. F., James, T. Y. 2023. Coevolution of a generalist pathogen with many hosts: the case of the amphibian chytrid *Batrachochytrium dendrobatidis*. 2024. *Current Opinion in Microbiology* 78: 102435.

*authors contributed equally

22. Bletz, M., C., Gratwicke, B., **Belasen, A. M.**, Catenazzi, A., Duffus, A. L. J., Lampo, M., Olson, D., Vasudevan, K. Chapter 6. 2024. Infectious Diseases. In: Amphibian Conservation Action Plan. Occasional Papers of the IUCN.

23. **Belasen*, A. M.**, Peek*, R. A., Adams, A., Russell, I., De León, M., Adams, M., Bettaso, J., Breedveld, K., Catenazzi, A., Dillingham, C., Gear, D., Halstead, B., Johnson, P., Kleeman, P., Koo, M., Koppl, C., Lauder, J., Padgett-Flohr, G., Piovia-Scott, J., Pope, K., Vredenburg, V., Westphal, M., Wiseman, K., Kupferberg, S., 2023. Chytrid infections exhibit historical spread and contemporary seasonality in a declining stream-breeding frog. *Royal Society Open Science*, 11: 231270.

*authors contributed equally

20. Grant, E. H. C., Amburgey, S. M., Gratwicke, Chaves, B. V. A. , **Belasen, A. M.**, Bickford, D., Brühl, C. A., Calatayud, N. E., Nick Clemann, Clulow, S., Crnobrnja-Isailovic, J., Jeff Dawson, J., De Angelis, D. A., Dodd, C. K. Jr, Evans, A., Ficetola, G. F., Falaschi, M., González-Mollinedo, S., Green, D. M., Gamlen-Greene, R., Griffiths, R. A., Halstead, B. J., Hassapakis, C., Heard, G., Karlsson, C., Kirschey, T., Klocke, B., Kosch, T. A., Novaes, S. K., Linhoff, L., Maerz, J. C., Mosher, B. A., O'Donnell, K., Ochoa-Ochoa, L. M., Olson, D. H., Ovaska, K., Roberts, J. D., Silla, A. J., Stark, T., Tarrant, J., Upton, R., Vörös, J., Muths, E. Priority research needs to inform amphibian conservation in the Anthropocene. *Conservation Science and Practice*, e12988.

19. Kent, B. A., Holman, C., Amoako, E., Antonietti, A., Azam, J. M., Ballhausen, H., Bediako, Y., **Belasen, A. M.**, Carneiro, C. F. D., Chen, Y.-C., Compeer, E. B., Connor, C. A. C., Cruwell, S., Debat, H., Dorris, E., Ebrahimi, H., Erlich, J. C., Fernandez-Chiappe, F., Fishcer, F., Gazda, M. A., Glatz, T., Grabitz, P., Heise, V., Kent, D. G., Lo, H., McDowell, G., Mehta, D., Neuman, W.-J., Neves, K., Patterson, M., Penfold, N. C., Piper, S. K., Puebla, I., Quashie, P. K., Quezada, C. P., Riley, J. L., Rohmann, J. L., Saladi, S., Schwessinger, B., Siegerink, B., Stehlik, P., Tzilivaki, A., Umbers, K. D. L., Varma, A., Walavalkar, K., de Winde, C. M., Zaza, C., Weissgerber, T. 2022.

Recommendations for empowering early career researchers to improve research culture and practice. *PLoS Biology*, 20(7): e3001680.

18. **Belasen, A. M.**, Russell, I. D., Zamudio, K. R., Bletz, M. C. 2022. Endemic lineages of *Batrachochytrium dendrobatidis* are associated with reduced chytridiomycosis-induced mortality in amphibians: evidence from a meta-analysis of experimental infection studies. *Frontiers in Veterinary Science*, 9: 756686.
17. **Belasen, A. M.**, Amses, K., Clemons, R., Becker, C. G., Toledo, L. F., James, T. Y. 2022. Habitat fragmentation in the Brazilian Atlantic Forest is associated with erosion of frog immunogenetic diversity and increased fungal infections. *Immunogenetics*, 74: 431-441.
16. Belasen, A. T., **Belasen, A. M.**, Belasen, Ab. R., and Belasen, Ar. R. 2021. A Win-Win for Healthcare: Promoting Co-leadership and Increasing Women's Representation at the Top. *Gender in Management: An International Journal*. 36(6): 762-781.
15. **Belasen, A. M.**, Riolo, M., Lyra, M., Toledo, L. F., James, T. Y. 2021. Geography, Host Genetics, and Microbial Networks Structure the Skin Microbiome of Fragmented Brazilian Atlantic Forest Frog Populations. *Ecology and Evolution*, 00: 1-15.
14. Ruthsatz, K., Lyra, M. L., Lambertini, C., **Belasen, A. M.**, Jenkinson, T. S., da Silva Leite, D., Becker, C. G., Haddad, C. F. B., James, T. Y., Zamudio, K. R., Toledo, L. F., Vences, M. 2020. Skin microbiome correlates with bioclimate and *Batrachochytrium dendrobatidis* infection intensity in Brazil's Atlantic Forest treefrogs. *Scientific Reports*, 10: 22311.
13. Lambertini, C., Becker, C. G., **Belasen, A. M.**, Valencia-Aguilar, A., de Almeida, C. H. L. N., Betancourt-Roman, C. M., Rodriguez, D., da Silva Leite, D., Oliveira, I. S., Gasparini, J. L. R., Ruggeri, J., Mott, T., Jenkinson, T. S., James, T. Y., Zamudio, K. R., and Toledo, L. F. 2020. Biotic and Abiotic Determinants of *Batrachochytrium dendrobatidis* Infections in Amphibians of the Brazilian Atlantic Forest. *Fungal Ecology*, 49: 100995.
12. Zamudio, K. R., McDonald, C. A., **Belasen, A. M.** 2020. High variability in infection mechanisms and host responses: A review of functional genomic studies of amphibian chytridiomycosis. *Herpetologica*.
11. Zimkus, B. M., Balaz, V., **Belasen, A. M.**, Bell, R. C., Channing, A., Doumbia, J., Gonwouo, L. N., Fokam, E. B., Zassi-Boulou, A.-G., Greenbaum, E., Gvozdik, V., James, T., Hirschfield, M., Jackson, K., Kusamba, C., Larson, J. G., Mavoungou, L.-B., Rodel, M.-O., Penner, J. 2020. Chytrid pathogen (*Batrachochytrium dendrobatidis*) in African amphibians: a continental analysis of occurrences and modeling of its potential distribution. *Herpetologica*.
10. **Belasen, A. M.**, Bletz, M.C., da Silva Leite, D., Toledo, L. F., James, T. Y. 2019. Long-term fragmentation is associated with reduced MHC IIB diversity and increased infections in amphibian hosts. *Frontiers in Ecology and Evolution*, 6, 1-12.
9. Arellano M.L., Velasco M.A., Martínez Aguirre T., Zarini O., **Belasen A.M.**, James T.Y. & Kacolis F.P. 2018. Management strategy to avoid chytrid fungus infection in egg clutches of the Valcheta frog *Pleurodema somuncurens*. *Conservation Evidence*, 15, 38-38.
8. Arellano M.L., Velasco M.A., Martínez Aguirre T., Zarini O., **Belasen A.M.**, James T.Y. & Kacolis F.P. 2018. Treatment of adult Valcheta frogs *Pleurodema somuncurens* for chytrid fungus. *Conservation Evidence*, 15, 37-37.

7. **Belasen, A.**, Brock, K., Li, B., Pafilis, P., Valakos, E., Chremou, D., Li, B., Sinervo, B., and Foufopoulos, J. 2016. Fine with heat, problems with water: microclimate alters water loss in a thermally adapted insular lizard. *Oikos* 126, 447-457.
6. Jenkinson, T.S., Betancourt-Román, C., Lambertini, C., Valencia-Aguilar, A., Rodriguez, D., Nunes-de-Almeida, C.H.L., Ruggeri, J., **Belasen, A.M.**, da Silva Leite, D., Zamudio, K.R. and Longcore, J.E., 2016. Amphibian-killing chytrid in Brazil comprises both locally endemic and globally expanding populations. *Molecular Ecology* 25, 2978-2996.
5. James, T. Y. Toledo, L. F, Rödder, D., da Silva Leite, D., **Belasen, A. M.**, Betancourt-Román, C. M., Jenkinson, T. S., Lambertini, C., Longo, A. V., Ruggeri, J., Collins, J. P., Burrowes, P. A., Lips, K. R., Zamudio, K. R., & Longcore, J. E. 2015. Disentangling host, pathogen, and environmental determinants of a recently emerged wildlife disease: lessons from the first 15 years of amphibian chytridiomycosis research. *Ecology and Evolution* 5, 4079-4097.
4. Li, B., **Belasen, A.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. 2014. Effects of feral cats on the evolution of antipredator behaviors in island reptiles: insights from an ancient introduction. *Proceedings of the Royal Society of London B: Biological Sciences* 201428120140339.
3. Brock, K., **Belasen, A.**, and Foufopoulos, J. 2014. Voluntary autotomy in *Podarcis erhardii*. *Herpetological Review* 45, 2, 332.
2. **Belasen, A.**, Burkett, E., Injaian, A., Li, K., Allen, D., and Perfecto, I. 2013. Habitat selection in Blue-spotted Salamanders (*Ambystoma laterale-jeffersonianum* complex). *Copeia* 2013, 2, 254-261.
1. **Belasen, A.**, Li, B., and Foufopoulos, J. 2012. Geographic distribution: *Chalcides ocellatus*. *Herpetological Review* 43, 102.

13. ADDITIONAL SERVICE AND EXPERIENCE

Cornell University Department of Ecology and Evolutionary Biology

(Ithaca, NY)

- Postdoc representative, Department Committee on Research Reactivation (2020-present)

GREEBs (Graduate Researchers in Ecology and Evolutionary Biology)

(Ann Arbor, MI)

- President (2016-2017)
- Curriculum and Undergraduate Affairs Committee (2015-2016)

University of Michigan Museum of Zoology

(Ann Arbor, MI)

- ID Day Public Outreach annual event volunteer (2015-2017)
- Portal to the Public science activities volunteer (2016-2019)

Herpetological Resource and Management: Intern

(Chelsea, MI) 2012

- Created guide to Michigan reptiles and amphibians for website
- Managed and databased entries for the Michigan Herp Atlas, a citizen science inventory

Gulf Restoration Network: Head Field Manager

(New Orleans, LA) 2009

- Personally raised >\$25,000 for organization through door-to-door grassroots campaign
- Trained and supervised teams of 3-5 canvassers each day

Audubon Zoo Reptile House: Intern

(New Orleans, LA) 2008-2009

- Maintained, cleaned, and cared for reptiles and amphibians
- Prepared diets, provided health treatments, and contributed to management database

Peer Reviewer

- Infection, Genetics, and Evolution; Heredity; Frontiers in Ecology and Evolution; Austral Ecology; Conservation Genetics; Immunogenetics; Ecological Applications; Fungal Ecology; PLOS ONE; Mycologia; Herpetological Review; Canadian Journal of Zoology; Hydrobiologia

13. LANGUAGES

- Portuguese - near fluent
- Spanish - intermediate
- French - intermediate
- Hebrew - intermediate
- Greek - beginner