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EDUCATION

1997-2003	Louisiana State University, Ph.D. in Zoology
1994-1997	University of Minnesota, M.S. in Zoology
1989-1993	University of Michigan, B.S. in Natural Resources

PROFESSIONAL HISTORY

2014-present	Associate Curator of Birds Academy of Natural Science of Drexel University and Associate Professor Drexel University, Department of Biodiversity, Earth, and Environmental Sciences.
2023-present	Director of Graduate Program, Department of Biodiversity, Earth, and Environmental Sciences.
2015-present	Adjunct Associate Professor, Department of Biology, University of North Dakota.
2009-2014	Staff Scientist, Field Museum of Natural History, Department of Zoology.
2008-2009	Post-doctoral Researcher, Field Museum of Natural History, Biodiversity Synthesis Center.
2005-2008	Post-doctoral Researcher, Field Museum of Natural History, Department of Zoology.
2005-present	Research Associate, Illinois Natural History Survey, University of Illinois Urbana-Champaign.
2004-2005	Research Associate, Field Museum of Natural History, Department of Zoology.
2003-2005	Assistant Research Scientist III, University of Illinois, Illinois Natural History Survey-Section for Biodiversity.
2001-2002	Teaching Assistant, Louisiana State University: Principles of Genetics (2 terms).
1999-2001	Curatorial Assistant, Louisiana State University, Museum of Natural Science, Collection of Genetic Resources.
1997-1999	Teaching Assistant, Louisiana State University: General Zoology (4 terms), General Biology (1 term).
1994-1997	Teaching Assistant, University of Minnesota: Evolutionary and Ecological Perspectives (2 semesters), General Zoology (3 semesters), Introduction to Ecology (1 semester), Introduction to Ornithology (3 semesters).
1994-1995	Research Assistant, University of Minnesota.
1993-1994	Research Assistant II, University of Michigan, School of Natural Resources.
1993	Research Assistant, University of Michigan, Biological Station.
1991-1993	Laboratory Assistant, University of Michigan: Terrestrial Vertebrate Natural History (3 terms).

FIELD EXPERIENCE

International collecting expeditions: Mexico (member/co-leader, 2 weeks), Nicaragua (member/co-leader, 2 weeks), Brazil (member/co-leader, 7 trips, 11 months), Ghana (member/co-leader, 2 trips, 2.5 months), Republic of South Africa (co-leader, 1 month), Malawi (1 month) and Newfoundland (Masters research, 2 weeks).

United States collecting trips: Arizona, Idaho, Illinois, Louisiana, Minnesota, New Mexico, Pennsylvania, and Texas.

GRANTS

2022. National Science Foundation DEB-2203228: ($400,001 and $21,180 in REU supplements). *Patterns of community assembly and evolution of body size variability in the Accipiter-complex, a cosmopolitan hawk clade*. (T. A. Catanach PI, J. Weckstein Co-PI).

2019. National Science Foundation DBI-1901935: ($245,523). *Digitization TCN: Collaborative Research: Digitizing collections to trace parasite-host associations and predict the spread of vector-born disease.*

2019. National Science Foundation DEB-1855812: ($913,086). *Comparative cophylogenomics in a highly replicated system: Tinamou Lice.* (K. P. Johnson, Co-PI).

2018. Drexel University Faculty Summer Research award: ($6990). *Do malarial parasites and host immunogenetics interact to drive the movement of an avian hybrid zone?*

2011. National Science Foundation DEB-1503804 (1120054): (Total $787,000, ANS Budget: $537,000). *Collaborative Research: Southern Amazonian birds and their symbionts: Biodiversity and endemicity of parasites from the most diverse avifauna on Earth.* (J. Weckstein and V. Tkach, PIs, J. M. Bates and A. Aleixo, Co-PIs).

2005. National Science Foundation DEB-0515672: ($344,305 and $34,250 in REU supplements). *Bridging Micro and Macroevolutionary Patterns: Population Genetics of Coevolutionary History.* (J. Weckstein, PI, J. M. Bates and A. Aleixo, Co-PIs).

2004. Texas Parks and Wildlife Department Section 6 Grant ($19,720). *Phylogeography of cave crickets (Ceuthophilus spp.) in central Texas: A keystone taxon for the conservation and management of federally endangered cave arthropods.* S. J. Taylor, J. D. Weckstein, J. K. Krejca, G. Veni, K. P. Johnson, and J. R. Reddell (Co-PIs).

2002. Louisiana State University Dissertation Fellowship ($15,000).

2001. National Science Foundation, Dissertation Improvement Grant DEB-0104919 ($8067). *A cophylogenetic analysis of avian hosts and their parasites: toucans (Aves: Piciformes) and chewing lice (Insecta: Phthiraptera).*

2001. American Ornithologists' Union Research Award ($1773). *A cophylogenetic analysis of avian hosts and their parasites: toucans (Aves: Piciformes) and chewing lice (Insecta: Phthiraptera).*

2001. American Ornithologists' Union: Marcia Brady Tucker Travel Award ($416). *Cophylogenetic analysis of toucans (Aves: Piciformes) and their Ischnoceran chewing lice: Are host and parasite phylogenies congruent?*

2000. Frank M. Chapman Memorial Fund ($2300). *A test of Amazonian biogeographic hypotheses: a genetic assessment of a hybrid zone in the Channel-billed Toucan (Ramphastos vitellinus).*

1999. George H. Lowry, Jr. Memorial Fund ($1700). *A collecting expedition to the Tapajós River valley of Brazil.*

1999. Sigma Xi Grant-in-aid of Research ($700). *A molecular test of cophylogeny between Ramphastos toucans and their associated chewing lice (Insecta: Phthiraptera: Ischnocera).*

1999. Frank M. Chapman Memorial Fund ($2700). *A molecular test of cophylogeny between Ramphastos toucans and their associated chewing lice.*

1998. McDaniel's Travel Award ($1000). *Mitochondrial genome transfer and replacement in the crowned sparrows (Genus Zonotrichia).*

1998. T. Vinton Holmes Endowment in Ornithology ($500). *Phylogenetic interpretations of apparent convergence in the Ramphastos toucans.*

1998. Frank M. Chapman Memorial Fund ($1966). *Phylogenetic interpretations of apparent convergence in the Ramphastos toucans.*

1997. James W. Wilkie Fellowship ($1100). *Species limits, relationships, phylogeography and comparisons of rates of evolution in the Fox Sparrow (Passerella iliaca).*

1996. Dayton Fellowship ($1000). *Subspecies relationships in the White-crowned Sparrow (Zonotrichia leucophrys).*

1995. James W. Wilkie Fellowship ($500). *Species limits of the Fox Sparrow (Passerella iliaca).*

1995. Frank M. Chapman Memorial Fund ($910). *Species limits of the Fox Sparrow (Passerella iliaca).*

AWARDS

2020. Julian K. Potter Award for outstanding contributions to Field Ornithology, Delaware Valley Ornithological Club.

2017. Elected Fellow, American Ornithological Society.

2013. Field Museum Woman in Science Award for mentoring women scientists. "Jason is an absolutely outstanding mentor to women scientists at the Field Museum. He also has the great gift of being encouraging without being unrealistic, correcting without criticizing, and guiding without shepherding."

2009. Elective Member, American Ornithologists' Union.

2002. Student Presentation Award, American Ornithologists' Union ($200).

1993. Michigan Biological Station Merit-based Scholarship ($250).

1993. Allan Shultz Memorial Award, University of Michigan.

1993. Mertz-Brown Scholarship, University of Michigan ($1000). Given to an undergraduate who expresses a "joie de vivre," and has a serious frame of mind that is never devoid of a sense of humor.

PUBLICATIONS

In Press. Galen, S. C., E. Ostrow, S. Ray, M. Henry, J. Dispoto, A. Fetterman, L. Kiziuk, and J. D. Weckstein. Migratory birds have a distinct haemosporidian community and are temporally decoupled from vector abundance at a stopover site: implications for parasite transmission during migration. *Parasitology*.

2025. Wells, K. L., J. A. Bell, A. Fecchio, S. Drovetski, S. Galen, S. Hackett, H. Lutz, H. R. Skeen, G. Voelker, W. Wamiti, J. D. Weckstein, and N. J. Clark. Parasite abundance-occupancy relationships across biogeographic regions: joint effects of niche breadth, host availability and climate. *Journal of Biogeography* 52:55-65.

2024. Kolencik, S., O. Sychra, K. P. Johnson, J. D. Weckstein, M. F. Sallam, and J. M. Allen. The parasitic louse genus *Myrsidea* (Amblycera: Menoponidae): A comprehensive review and world checklist. *Insect Systematics and Diversity* 8(3):1-60.

2023. Kuabara, K. M. D., M. P. Valim, and J. D. Weckstein. Catalogue of type specimens of lice (Insecta: Psocodea: Phthiraptera) held in the Field Museum of Natural History louse collection. *Proceedings of the Academy of Natural Sciences* 168:149-187.

2023. Amoedo Lima, M. J. D. Weckstein, R. Batista, C. C. Ribas. Do parasitic lice exhibit endemism in parallel with their avian hosts? A comparison across northern Amazonian areas of endemism. *Journal of Parasitology* 109:506-513.

2023. Fecchio, A., J. A. Bell, E. J. Williams, J. H. Dispoto, J. D. Weckstein, and D. de Angeli Dutra. Co-infection with *Leucocytozoon* and other haemosporidian parasites

increases with latitude and altitude in New World bird communities. *Microbial Ecology* 86:2838-2846.

2023. Ostrow, E. N., T. A. Catanach, J. M. Bates, A. Aleixo, and J. D. Weckstein. Phylogenomic analysis confirms the relationships among toucans, toucan-barbets, and New World barbets but reveals paraphyly of *Selenidera* toucanets and evidence for mitonuclear discordance. *Ornithology* 140:ukad022.

2023. Halley, M. R., T. A. Catanach, J. Klicka, and J. D. Weckstein. Integrative taxonomy clarifies species limits in the *Catharus fuscater* (Passeriformes: Turdidae) complex in Central and South America, with descriptions of three new species. *Zoological Journal of the Linnean Society* 199:228-262.

2023. Fecchio, A., H. Batalha-Filho, J. H. Dispoto, J. A. Bell, and J. D. Weckstein. Distinct biogeographic processes and areas of endemism contributed differentially to *Plasmodium* and *Parahaemoproteus* community assembly on Marajó Island. *Molecular Phylogenetics and Evolution* 186:107828.

2023. Penha, V. A. de S, F. M. C. B. Domingos, A. Fecchio, J. A. Bell, J. D. Weckstein, R. E. Ricklefs, E. M. Braga, P. de Abreu Moreira, L. Soares, S. Latta, G. Tolesano-Pascoli, R. D. Alquezar de Oliveira, K. Del-Claro, and L. Tonelli Manica. Host life-history traits predict haemosporidian parasite prevalence in tanagers (Aves: Thraupidae). *Parasitology* 150:32-41.

2022. Penha, V. A. de S, F. M. C. B. Domingos, A. Fecchio, J. A. Bell, J. D. Weckstein, R. E. Ricklefs, E. M. Braga, P. de Abreu Moreira, L. Soares, S. Latta, G. Tolesano-Pascoli, R. D. Alquezar de Oliveira, K. Del-Claro, and L. Tonelli Manica. Haemosporidian parasites and incubation period influence plumage coloration in tanagers (Passeriformes: Thraupidae). *Proceedings of the Royal Society of London B* 289: 20221283.

2022. Kolencik, S., K. P. Johnson, A. R. Grant, M. P. Valim, K. M. D. Kuabara, J. D. Weckstein, and J. M. Allen. Molecular phylogenetics of the avian feather louse *Philopterus*-complex (Phthiraptera: Philopteridae). *Molecular Phylogenetics and Evolution* 174:107556.

2022. Kolencik, S., J. Cacioppo, K. P. Johnson, J. Allen, O. Sychra, and J. D. Weckstein. Phylogenetics and host-specificity of the mega-diverse louse genus *Myrsidea* (Amblycera: Menoponidae). *Systematic Entomology* 47:390-401.

2022. Galen, S. C., S. Ray, M. Henry, and J. D. Weckstein. Disease-associated mortality in birds: the roles of specialist parasites and host evolutionary isolation. *Biology Letters* 18: 20210575.

2022. Fecchio, A., R. I. Dias, T. V. Ferreira, A. O. Reyes, J. H. Dispoto, J. D. Weckstein, J. A. Bell, V. V. Tkach, J. B. Pinho. Host foraging behavior and nest type influence

prevalence of avian haemosporidian parasites in the Pantanal. *Parasitology Research* 121: 1407-1417.

2021. Johnson, K. P., J. D. Weckstein, S. Virruenta Herrera, and J. Doña. The interplay between host biogeography and phylogeny in structuring diversification of the feather louse genus *Penenirmus*. *Molecular Phylogenetics and Evolution* 165: 107297.

2021. Fecchio, A., N. Clark, J. Bell, H. Skeen, H. L. Lutz, J. Vaughan, V. V. Tkach, F. Schunck, F. Ferreira, E. Braga, C. Lugarini, W. Wamiti, J. Dispoto, S. Galen, K. Kirchgatter, Karin; G. de la Torre, M. C. Sagario, V. Cueto, D. González-Acuña, S. Drovetski, G. Voelker, R. Ricklefs, S. Hackett, M. Collins, J. D. Weckstein, and K. Wells. Drivers of global variation in avian haemosporidian parasite infection probability. *Journal of Global Ecology and Biogeography* 30:2393-2406.

2021. Fecchio, A., C. Lugarini, A. Ferreira, J. D. Weckstein, K. Kuabara, G. De La Torre, M. Ogrzewalska, T. Martins, and D. de Angeli Dutra. Migration and season explain tick prevalence in Brazilian birds. *Medical and Veterinary Entomology* 35:547-555.

2021. Fecchio, A., M. R. Lima, J. A. Bell, F. Schunck, A. H. Corrêa, R. Beco, A. E. Jahn, C. S. Fontana, T. W. da Silva, M. Repenning, E. M. Braga, J. E. Garcia, C. Lugarini, J. C. R. Silva, L. H. M. Andrade, J. H. Dispoto, C. C. dos Anjos, J. D. Weckstein, K. Kirchgatter, V. A. Ellis, R. E. Ricklefs, and G. M. De La Torre. Loss of forest cover and host functional diversity increases prevalence of avian malaria parasites in the Atlantic Forest. *International Journal for Parasitology* 51:719-728.

2021. Fecchio, A., T. F. Martins, M. Ogrzewalska, F. Schunck, J. D. Weckstein, and R. I. Dias. Higher probability of tick infestation reveals a hidden cost of army ant-following in Amazonian birds. *Journal of Avian Biology* 52(7).

2021. Catanach, T. A., M. R. Halley, J. M. Allen, J. A. Johnson, R. Thorstrom, S. Palhano, C. Poor Thunder, J. C. Gallardo, and J. D. Weckstein. Systematics and conservation of an endemic radiation of *Accipiter* hawks in the Caribbean islands. *Ornithology* 138:1-23

2021. Rice, A. A., R. L. Curry, and J. D. Weckstein. Prevalence and lineage richness of haemosporidians across a moving chickadee hybrid zone. *Ornithology* 138: 1-13.

2021. Dantas, S. M., J. D. Weckstein, J. M. Bates, J. N. Oliveira, T. A. Catanach, and A. Aleixo. Multi-character taxonomic review, systematics, and biogeography of the Black-capped/Tawny-bellied Screech Owl (*Megascops atricapilla-M. watsonii*) complex (Aves: Strigidae). *Zootaxa* 4949(3):401-444.

2021. Fecchio, A., L. P. de Faria, J. A. Bell, R. Nunes, J. D. Weckstein and M. R. Lima. Mining increases the prevalence of avian haemosporidian parasites in Northeast Amazonia. *Parasitology Research* 120:605-613.

2020. Galen, S. C., J. Borner, S. L. Perkins, and J. D. Weckstein. Phylogenomics from transcriptomic "bycatch" clarify the origins and diversity of avian trypanosomes in North America. *PLoSOne* 15(10):e0240062.

2020. Fecchio, A., T. F. Martins, J. A. Bell, G. M. De La Torre, J. B. Pinho, J. D. Weckstein, V. V. Tkach, M. B. Labruna, and R. I. Dias. Low host specificity and lack of parasite avoidance by immature ticks in Brazilian birds. *Parasitology Research* 119:2039-2045.

2020. Virrueta-Herrera, S., A. D. Sweet, J. M. Allen, K. K. O. Walden, J. D. Weckstein, and K. P. Johnson. Extensive *in situ* radiation of feather lice on tinamous. *Proceedings of the Royal Society of London B* 287: 20193005.

2020. Fecchio, A., J. Bell, M. Bosholn, J. Vaughan, V. Tkach, H. Lutz, V. Cueto, C. Gorosito, D. González-Acuña, C. Stromlund, D. Kvasager, K. Comiche, K. Kirchgatter, J. Pinho, J. Berv, M. Anciaes, C. Fontana, K. Zyskowski, S. Sampaio, J. Dispoto, S. Galen, J. D. Weckstein, and N. Clark. An inverse latitudinal gradient in infection probability and phylogenetic diversity for *Leucocytozoon* blood parasites in New World birds. *Journal of Animal Ecology* 89:423-435.

2020. Azuaje-Rodríguez, R. A., J. D. Weckstein, J. H. Dispoto, S. Patel, J. A. Cacioppo, J. M. Bates, S. M. Silva, and A. Aleixo. Molecular systematics of the Amazonian endemic genus *Hylexetastes* (Aves: Dendrocolaptidae): Taxonomic and conservation implications. *Ibis* 162:119-136.

2020. Bosholn, M., M. Anciães, D. Gil, J. D. Weckstein, J. H. Dispoto, and A. Fecchio. Individual variation in feather corticosterone levels and its influence on haemosporidian infection in a Neotropical bird. *Ibis* 162:215-226.

2019. de Moya, R. S., J. M. Allen, A. D. Sweet, K. O. Walden, R. L. Palma, V. S. Smith, S. L. Cameron, M. P. Valim, T. D. Galloway, J. D. Weckstein, and K. P. Johnson. Extensive host-switching of avian lice following the Cretaceous-Paleogene mass extinction. *Communications Biology* 2(445):1-6.

2019. Barrow, L. N., S. M. McNew, N. Mitchell, S. C. Galen, H. L. Lutz, H. Skeen, T. Valqui, J. D. Weckstein, and C. C. Witt. Deeply conserved susceptibility in a multi-host, multi-parasite system. *Ecology Letters* 22:987-998.

2019. Nowak, J., A. Sweet, J. D. Weckstein and K. P. Johnson. A molecular phylogenetic analysis of the genera of fruit doves and allies using dense taxonomic sampling. *Illinois Natural History Survey Bulletin* 42:2019001.

2019. Catanach, T. A., K. P. Johnson, B. D. Marks, R. G. Moyle, M. P. Valim, and J. D. Weckstein. Two lineages of kingfisher feather lice exhibit different degrees of cospeciation with their hosts. *Parasitology* 146:1083-1095.

2019. Fecchio, A., M. D. Collins, J. A. Bell, E. A. García-Trejo, L. A. Sánches-González, J. H. Dispoto, N. H. Rice, and J. D. Weckstein. The potential of using bird tissues from museum collections to study avian haemosporidians. *Journal of Parasitology* 105:446-453.

2019. Fecchio, A., J. A. Bell, R. B. P. Pinheiro, V. R. Cueto, C. A. Gorosito, H. L. Lutz, M. G. Gaiotti, L. V. Paiva, L. F. França, G. Toledo-Lima, M. Tolentino, J. B. Pinho, V. V. Tkach, C. S. Fontana, J. M. Grande, M. A. Santillán, R. Caparroz, A. Roos, R. Bessa, W. Nogeira, T. Moura, E. C. Nolasco, K. J. M. Comiche, K. Kirchgatter, L. O. Guimarães, J. H. Dispoto, M. Â. Marini, J. D. Weckstein, H. Batalha-Filho, and M. D. Collins. Avian host composition, local speciation, and dispersal drive the regional assembly of avian malaria parasites in South American birds. *Molecular Ecology* 28:2681-2693.

2019. Fecchio, A., K. Wells, J. A. Bell, V. V. Tkach, H. L. Lutz, J. D. Weckstein, S. M. Clegg, and N. J. Clark. Climate variation influences host specificity in avian malaria parasites. *Ecology Letters* 22:547-557.

2018. Carlson, M. L., G. A. Proudfoot, K. Gentile, J. H. Dispoto, and J. D. Weckstein. Haemosporidian prevalence in Northern saw-whet owls (*Aegolius acadicus*) is predicted by host age and average annual temperature at breeding grounds. *Journal of Avian Biology* 49: e01817.

2018. Fecchio, A., J. A. Bell, M. Collins, I. P. Farias, C. H. Trisos, J. A. Tobias, V. V. Tkach, J. D. Weckstein, R. E. Ricklefs, H. Batalha-Filho. Diversification by host-switching and dispersal shaped the diversity and distribution of avian malaria parasites in Amazonia. *Oikos* 127:1233-1242.

2018. Soto Patiño, J., G. A. Londoño, K. P. Johnson, J. D. Weckstein, J. E. Avendaño, T. A. Catanach, A. D. Sweet, A. T. Cook, J. E. Jankowski, and J. Allen. Composition and distribution of lice (Insecta: Phthiraptera) on Colombian and Peruvian birds: New data on host-louse associations in the Neotropics. *Biodiversity Data Journal* 6: e21635.

2018. Sweet, A. D., S. E. Bush, D. R. Gustafsson, J. M. Allen, E. DiBlasi, H. R. Skeen, J. D. Weckstein, and K. P. Johnson. Host and parasite morphology influence congruence between host and parasite phylogenies. *International Journal for Parasitology* 48:641-648.

2018. Fecchio, A., P. Silveira, J. D. Weckstein, J. Dispoto, M. Bosholn, V. V. Tkach, and J. A. Bell. First record of *Leucocytozoon* (Haemosporida: Leucocytozoidae) in Amazonia: Evidence for rarity in Neotropical lowlands or lack of sampling for this parasite genus? *Journal of Parasitology* 104:168-172.

2018. Fecchio, A., R. Pinheiro, G. Felix, I. P. Faria, J. B. Pinho, G. A. Lacorte, E. M. Braga, I. P. Farias, A. Aleixo, V. V. Tkach, M. D. Collins, J. A. Bell and J. D. Weckstein.

Host community similarity and geography shape the diversity and distribution of haemosporidian parasites in Amazonian birds. *Ecography* 41:505-515.

2018. Catanach, T. A., M. P. Valim, J. D. Weckstein, and K. P. Johnson. Cophylogenetic analysis of lice in the *Colpocephalum*-complex (Phthiraptera: Amblycera). *Zoologica Scripta* 47:72-83.

2017. Lutz, H. L., V. V. Tkach, and J. D. Weckstein. Methods for specimen-based studies of avian symbionts. In: Webster, M. (ed.) The role of collections in Ornithology: The extended specimen. *Studies in Avian Biology* 49, CRC Press/Taylor and Francis.

2017. Fecchio, A., M. Svensson-Coelho, J. A. Bell, V. A. Ellis, M. C. Medeiros, C. H. Trisos, J. G. Blake, B. A. Loiselle, J. A. Tobias, R. Fanti, E. D. Coffey, I. P. de Faria, J. B. Pinho, G. Felix, E. M. Braga, M. Anciães, V. V. Tkach, J. M. Bates, C. C. Witt, J. D. Weckstein, R. E. Ricklefs, and, I. P. Farias. Host associations and turnover of haemosporidian parasites in manakins (Aves: Pipridae). *Parasitology* 144:984-993.

2017. Fecchio, A., V. A. Ellis, J. A. Bell, C. B. Andretti, F. M. d'Horta, A. M. Silva, V. V. Tkach, and J. D. Weckstein. Avian malaria, host life history traits and mosquito abundance in southeastern Amazonia. *Parasitology* 144:1117-1132.

2017. Halley, M. R., J. Klicka, P. R. Sesink Clee, and J. D. Weckstein. Restoring the species status of *Catharus maculatus* (Aves: Turdidae), a secretive Andean thrush, with a critique of the yardstick approach to species delimitation. *Zootaxa*.4276:387-404.

2016. Weckstein, J. D., K. P. Johnson, J. D. Murdoch, J. K. Krejca, D. M. Takiya, G. Veni, J. R. Reddell, and S. J. Taylor. Comparative phylogeography of two codistributed subgenera of cave crickets. *Journal of Biogeography* 43:1450-1463.

2016. Dantas, S. M., J. D. Weckstein, J. M. Bates, N. K. Krabbe, C. D. Cadena, M. B. Robbins, E. Valderrama, and A. Aleixo. Molecular Systematics of the New World Screech-Owls (Megascops: Aves, Strigidae): Biogeographic and taxonomic implications. *Molecular Phylogenetics and Evolution* 94:626-634.

2016. Bush, S. E., J. D. Weckstein, D. R. Gustafsson, J. Allen, E. DiBlasi, S. M. Shreve, R. Boldt, H. R. Skeen, and K. P. Johnson. Unlocking the Black Box of Feather Louse Diversity: a molecular phylogeny of the hyper-diverse genus *Brueelia*. *Molecular Phylogenetics and Evolution* 94:737-751.

2015. Bush, S. E., J. D. Weckstein, D. R. Gustafsson, J. Allen, E. DiBlasi, S. M. Shreve, R. Boldt, H. R. Skeen, and K. P. Johnson. Data supporting a molecular phylogeny of the hyper-diverse genus Brueelia. *Data in Brief* 5:1078-1091. http://dx.doi.org/10.1016/j.dib.2015.10.022

2015. Bell, J. A., J. D. Weckstein, A. Fecchio, V. V. Tkach. A new real-time PCR protocol for detection of avian haemosporidians. *Parasites and Vectors* 8:383.

2015. Lutz, H. L., W. M. Hochachka, J. I. Engel, J. A. Bell, V. V. Tkach, J. M. Bates, S. J. Hackett, and J. D. Weckstein. Parasite prevalence corresponds to host life history in a diverse assemblage of Afrotropical birds and their Haemosporidian parasites. *PLOS ONE* 10(4):e0121254.

2013. Lutz, H. L., J. D. Weckstein, J. S. L. Patané, J. M. Bates, A. Aleixo. Biogeography and spatio-temporal diversification of *Selenidera* and *Andigena* toucans (Aves : Ramphastidae). *Molecular Phylogenetics and Evolution* 69:873-883.

2013. Valim, M. P. and J. D. Weckstein. A drop in the bucket of the megadiverse chewing louse genus *Myrsidea* (Phthiraptera, Amblycera, Menoponidae): ten new species from Amazonian Brazil. *Folia Parasitologica* 60:377-400.

2013. Aleixo, A., C. E. B. Portes, A. Whittaker, J. D. Weckstein, L. P. Gonzaga, K. J. Zimmer, C. C. Ribas and J. M. Bates. Molecular systematics and taxonomic revision of the Curve-billed Scythebill complex (*Campylorhamphus procurvoides*: Dendrocolaptidae), with description of a new species from western Amazonian Brazil. In: Handbook of the Birds of the World, Special Volume: New Species and Global Index [J. del Hoyo, A. Elliott e D. Christie, eds.]. Lynx Edicions, Barcelona, Spain, pp. 253-257.

2013. Portes, C. E. B., A. Aleixo, K. J. Zimmer, A. Whittaker, J. D. Weckstein, L. P. Gonzaga, C. C. Ribas, J. M. Bates and A. C. Lees. A new species of *Campylorhamphus* (Aves: Dendrocolaptidae) from the Tapajós – Xingu interfluve in Amazonian Brazil. In: Handbook of the Birds of the World, Special Volume: New Species and Global Index [J. del Hoyo, A. Elliott e D. Christie, eds.]. Lynx Edicions, Barcelona, Spain, pp. 258-262.

2013. Banks, R. C., J. D. Weckstein, J. V. Remsen, Jr., and K. P. Johnson. Classification of a clade of New World doves (Columbidae: Zenaidini). *Zootaxa* 3669:184-188.

2012. Seeholzer, G. F., B. M. Winger, M. G. Harvey, D. Caceres A., and J. D. Weckstein. A new species of barbet (Capitoninae: *Capito*) from the Cerros del Sira, Ucayali, Peru. *Auk* 129:551-559.

2012. Engel, J. I., J. M. Bates, J. D. Weckstein, T. P. Gnoske, and P. M. Kaliba. Avifauna of Vwaza Marsh Wildlife Reserve, Malawi. *Journal of East African Natural History* 101:223-240.

2012. Valim, M. P. and J. D. Weckstein. A new genus and species of Philopteridae (Phthiraptera, Ischnocera) from the trumpeters (Aves, Gruiformes, Psophiidae). *Journal of Parasitology* 98:728-734.

2012. Valim, M. P. and J. D. Weckstein. Two new species of the genus *Cotingacola* Carriker, 1956 (Phthiraptera, Ischnocera, Philopteridae) from Amazonian Brazil, with comments on host-specificity. *Systematic Parasitology* 81:159-167.

2011. Johnson, K. P., J. D. Weckstein, S. E. Bush, and D. H. Clayton. The evolution of host specificity in dove body lice. *Parasitology* 138:1730-1736.

2011. Engel, J. I., M. H. Hennen, C. C. Witt, and J. D. Weckstein. Affinities of Three Vagrant Cave Swallows from Eastern North America. *Wilson Journal of Ornithology* 123:840-845.

2011. Valim, M. P. and J. D. Weckstein. Two new species of *Brueelia* Kéler, 1936 (Ischnocera, Philopteridae) parasitic on Neotopical trogons (Aves, Trogoniformes). *Zookeys* 128:1-13.

2011. Johnson, K. P. and J. D. Weckstein. The Central American land bridge as an engine of diversification in new world doves. *Journal of Biogeography 38:1069-1076.*

2011. Johnson, K. P., J. D. Weckstein, M. J. Meyer, and D. H. Clayton. There and back again: Switching between host orders by avian body lice (Ischnocera: Goniodidae). *Biological Journal of the Linnean Society* 102:614-625.

2011. Patel, S., J. D. Weckstein, J. S. L. Patané, J. M. Bates, and A. Aleixo. Temporal and spatial diversification of *Pteroglossus* araçaris (Aves: Ramphastidae) in the Neotropics: Constant rate of diversification does not support an increase in radiation during the Pleistocene. *Molecular Phylogenetics and Evolution* 58:105-115.

2009. Patané, J. S. L., J. D. Weckstein, J. M. Bates, and A. Aleixo. Evolutionary history of *Ramphastos* toucans: Molecular phylogenetics, temporal diversification, and biogeography. *Molecular Phylogenetics and Evolution* 53:923-934.

2009. Bueter, C., J. D. Weckstein, K. P. Johnson, J. M. Bates, and C. E. Gordon. Comparative phylogenetic histories of two louse genera found on *Catharus* thrushes and other birds. *Journal of Parasitology* 95:295-307.

2009. Weckstein, J. D., B. D. Marks, R. G. Moyle, K. P. Johnson, M. J. Meyer, J. Braimah, J. Oppong, and J. Amponsah. Important bird records from two expeditions to the Upper Guinea forest of Ghana. *Malimbus* 31:28-46.

2007. Marks, B. D., J. D. Weckstein, and R. G. Moyle. Molecular phylogenetics of the bee-eaters (Aves: Meropidae) based on nuclear and mitochondrial DNA sequence data. *Molecular Phylogenetics and Evolution* 45:23-32.

2007. Aleixo, A., E. B. Rodrigues, M. S. Faccio, J. D. Weckstein, J. M. Bates. Aves do Cacuajó, FLONA de Caxiuanã. Pages 70-72 in *Resumos Expandidos do I Seminário Científico do PPBIO*. Belém: Museu Paraense Emílio Goeldi.

2006. Price, R. D. and J. D. Weckstein. *Picicola* Clay and Meinertzhagen (Phthiraptera: Philopteridae) from jacamars and puffbirds (Piciformes: Galbulidae, Bucconidae), with descriptions of five new species. *Zootaxa* 1367:37-50.

2005. Weckstein, J. D. Molecular Phylogenetics of the *Ramphastos* toucans: Implications for the evolution of morphology, vocalizations, and coloration. *Auk* 122:1191-1209.

2005. Armenta, J. K., J. D. Weckstein, and D. F. Lane. Geographic variation in mitochondrial DNA sequences of an Amazonian non-passerine: the Black-spotted Barbet (*Capito niger*). *Condor* 107:527-536.

2005. Hellenthal, R. A., R. D. Price, and J. D. Weckstein. The genus *Ramphasticola* Carriker (Phthiraptera: Menoponidae) from the toucans (Piciformes: Ramphastidae), with description of a new species. *Proceedings of the Entomological Society of Washington* 107:565-571.

2005. Price, R. D. and J. D. Weckstein. The genus A*ustrophilopterus* Ewing (Phthiraptera: Philopteridae) from toucans, toucanets, and araçaris (Piciformes: Ramphastidae). *Zootaxa* 918:1-18.

2004. Weckstein, J. D. Biogeography explains cophylogenetic patterns in toucan chewing lice. *Systematic Biology* 53:154-164.

2004. Price, R. D., R. A. Hellenthal, and J. D. Weckstein. The genus *Myrsidea* Waterston (Phthiraptera: Menoponidae) from the toucans (Piciformes: Ramphastidae), with description of three new species. *Zootaxa* 613:1-18.

2004. Marks, B. D., J. D. Weckstein, K. P. Johnson, M. J. Meyer, J. Braimah, and J. Oppong. Rediscovery of the White-necked Picathartes (*Picathartes gymnocephalus*) in Ghana. *Bulletin of the British Ornithologists' Club* 124:151-153.

2003. Zink, R. M. and J. D. Weckstein. Recent evolutionary history of the Fox Sparrows (Genus: *Passerella*). *Auk* 120:522-527.

2002. Johnson, K. P., J. D. Weckstein, C. C. Witt, R. C. Faucett, and R. G. Moyle. The perils of using host relationships in parasite taxonomy: phylogeny of the Degeeriella complex. *Molecular Phylogenetics and Evolution* 23:150-157.

2002. Weckstein, J. D., A. D. Afton, R. M. Zink, and R. T. Alisauskas. Hybridization and population subdivision within and between Ross's and Lesser Snow geese: a molecular perspective. *Condor* 104:432-436.

2001. Johnson, K. P., R. G. Moyle, C. C. Witt, R. C. Faucett, and J. D. Weckstein. Phylogenetic relationships in the louse genus *Penenirmus* based on nuclear (EF1α) and mitochondrial (COI) DNA sequences. *Systematic Entomology* 26:491-497.

2001. Weckstein, J. D., R. M. Zink, R. C. Blackwell-Rago, and D. A. Nelson. Anomalous variation in mitochondrial genomes of White-crowned (*Zonotrichia leucophrys*) and Golden-crowned (*Z. atricapilla*) sparrows: pseudogenes, hybridization or incomplete lineage sorting? *Auk* 118:231-236.

1995. Root, T. L. and J. D. Weckstein. Changes in ranges of wintering birds: 1901-1940 to 1960-1989. Pages 386-389 in *Our living Resources: A Report to the Nation on the Distribution, Abundance and Health of U.S. Plants, Animals and Ecosystems*. E. T. Laroe, G. S. Farris, C. Puckett, P. D. Doran, and M. J. Mac (eds). NBS, USDOI, Washington, DC.

1994. Root, T. L. and J. D. Weckstein. Changes in distribution patterns of select wintering North American birds from 1901 to 1989. *Studies in Avian Biology* 15:191-201.

In Review. Musher, L. J., T. A. Catanach, T. Valqui, R. T. Brumfield, A. Aleixo, K. P. Johnson, and J. D. Weckstein. Whole-genome phylogenomics of the tinamous (Aves: Tinamidae): comparing gene tree estimation error between BUSCOs and UCEs illuminates rapid divergence with introgression. *Systematic Biology*.

In Review. Soto-Patiño, J., A. M. Cuervo, A. Fecchio, K. M. D. Kuabara, M. P. Valim, N. E. Matta, J. D. Weckstein, and M. A. Pacheco. Diversity, ecology, and evolution of Neotropical avian parasites: insights from two case studies. in *Neotropical Ornithology from the Perspective of Those that Live and Work in the Region.* F. R. Vásquez, E. R. Inzunza, A. N. Gonzalez, C. Gómez, G. Del Rio, and S. Albert. Johns Hopkins University Press.

In Review. Rice, A. A., R. L. Curry, and J. D. Weckstein. Haemosporidian prevalence and their potential use as geographic markers for irruptive black-capped chickadees. *Journal of Parasitology*.

In Review. Gustafsson, D. R., J. M. Allen, K. C. Bell, S. E. Bush, L. A. Durden, K. P. Johnson. J. E. Light, and J. D. Weckstein. Phthiraptera systematics: past, present, and future. *Insect Systematics and Diversity*.

In Review. Halley, M. R., T. A. Catanach, J. Klicka, and J. D. Weckstein. Phylogenetic comparative analysis of functional morphology reveals the origin of long-distance migration in nightingale-thrushes (Turdidae: *Catharus*). *Scientific Reports*.

In Review. Jahn, A. E., J. A. Bell, J. H. Dispoto, D. de Angeli Dutra, A. Fecchio, E. D. Ketterson, T. M. Smiley, T. B. Verrett, J. D. Weckstein, E. J. Williams, and D. J. Becker. Between- and within-population drivers of haemosporidian prevalence and diversity in American Robins (*Turdus migratorius*). *Journal of Avian Biology*.

In Review. Kuabara, K. M. D., M. P. Valim, K. P. Johnson, J. M. Allen, J. T. Merwin, L. J. Musher, A. R. Szewczak, S. Virruenta Herrera, T. Valqui, and J. D. Weckstein.

Phylogenomic analysis of the tinamou lice (Psocodea: Phthiraptera: Ischnocera): A test of historical taxonomic hypotheses. *Systematic Entomology.*

In Review. Lima, R., F. Bocalini, V. de Deus, E. Ostrow, T. A. Catanach, J. D. Weckstein, L. F. Silveira, and V. Q. Piacentini. Hybrid lineage formation in an Atlantic Forest bird, the Black-cheeked Gnateater. *Molecular Ecology*.

NON-PEER REVIEWED PUBLICATIONS AND WEB PUBLICATIONS

2020. Rice, A. A., J. D. Weckstein, and J. Engel (2020). Yellow-throated Toucan (*Ramphastos ambiguus*), version 1.0. In *Birds of the World* (T. S. Schulenberg, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA. (based on Neotropical Birds Online accounts published in 2010 below) https://doi.org/10.2173/bow.bkmtou1.01

2020. Weckstein, J. D., D. E. Kroodsma, and R. C. Faucett. Fox Sparrow (*Passerella iliaca*), version 1.0. In *Birds of the World* (A. F. Poole and F. B. Gill, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA. (based on BNA originally published in 2002 below) https://doi.org/10.2173/bow.foxspa.01

2010. Rice, A. A., J. D. Weckstein, and J. Engel. 2010. Black-mandibled Toucan (*Ramphastos ambiguus*). In *Neotropical Birds Online* (T. S. Schulenberg, Editor). now

2010. Rice, A. A., J. D. Weckstein, and J. Engel. 2010. Chestnut-mandibled Toucan (*Ramphastos swainsonii*). In *Neotropical Birds Online* (T. S. Schulenberg, Editor).

2002. Weckstein, J. D., D. E. Kroodsma, and R. C. Faucett. Fox Sparrow (*Passerella iliaca*). In: *The Birds of North America*, (A. Poole and F. Gill, Eds.). Philadelphia: The Academy of Natural Sciences; Washington, D. C.: The American Ornithologists' Union.

INVITED TALKS

2023. Evolutionary history of toucans and their lice: what can it tell us about correlates of diversification. Rutgers University Camden, Center for Computational and Integrative Biology, Camden, NJ, 12 December 2023.

2023. 22nd century science meets 19th century exploration: Museum-based biodiversity surveys of birds and their parasites. Frontiers in Ornithology Youth Symposium, Ashland Nature Center, Hockessin, DE, 4 November 2023.

2019. Evolution of toucans and their lice: What can they tell us about correlates of diversification? Smithsonian Conservation Biology Institute, Rock Creek Seminar Series, 15 November 2019.

2018. The Evolution of birds and their parasites: What can they tell us about correlates of diversification? American Naturalist Society Plenary Speaker for the 2018 Evolution in Philadelphia (EPiC) Conference, Academy of Natural Sciences, 8 August 2018.

2018. Evolutionary history of toucans and their lice: What can they tell us about correlates of diversification? Temple University, Biology Department, Philadelphia, Pennsylvania.

2017. Evolutionary history of toucans and their lice: What can they tell us about correlates of diversification? University of North Dakota, Grand Forks, North Dakota.

2017. Expeditions to the Most Threatened Part of Amazonia: Evolution of Birds and Their Parasites. University of Maryland at Baltimore County, Baltimore, Maryland.

2016. Comprehensive surveys of birds and their parasites: An expedition to the Belem center of endemism, the most endangered Amazonian area. Universidad de Icesi, Calí, Colombia.

2016. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? Department of Biology, Villanova University, Villanova, Pennsylvania.

2016. Summer 2015 Ornithology expedition to Mexico: Distrito Federal. Academy of Natural Sciences 1812 Society Luncheon, ANS, Philadelphia, Pennsylvania.

2015. Natural History, Life History, and Evolutionary History of the Phthiraptera: Why Lice are Actually Nice! American Entomological Society, Academy of Natural Sciences, Philadelphia, Pennsylvania.

2015. Traditional 19th Century Exploration Meets 21st Century Biodiversity Science: Amazonian Expeditions to Study the Biodiversity and Endemism of Birds and their Parasites. College of Arts and Sciences Deans Lecture, Drexel University, Philadelphia, Pennsylvania.

2014. Phylogenetics, diversity, and host-specificity of the mega-diverse louse genus *Myrsidea*. Fifth International Congress on Phthiraptera Symposium in honor of Roger Price, Park City, Utah.

2014. The value of ornithological collections for research, education, and outreach. Academy of Natural Sciences of Drexel University, Philadelphia, Pennsylvania.

2014. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? Department of Biodiversity, Earth, and Environmental Sciences, Drexel University, Philadelphia, Pennsylvania.

2013. When cospeciation isn't common: The importance of biogeography and host-specificity in host-parasite coevolutionary studies. City College of New York, New York, New York.

2011. Tradition meets technology: Biodiversity surveys and genetics of birds and their parasites. North Carolina State Museum of Natural Science, Raleigh, North Carolina.

2011. Molecular insights into correlates of diversification: Phylogenetics of toucans and their lice. North Carolina Central University, Durham, North Carolina.

2010. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? George Washington University.

2009. Extreme similarity in the coloration of sympatric *Ramphastos* toucans: another example of mimicry in birds? XVII Brazilian Ornithological Congress.

2008. The importance of biogeography in studies of parasites. Biodiversity Synthesis Center, The Field Museum.

2008. Evolutionary trees of toucans and lice: What can they tell us about correlates of diversification? Roosevelt University.

2006. Micro and Macroevolutionary perspectives into the cophylogenetic history of toucans and their chewing lice. Entomological Society of America symposium entitled Different Ways to Hitch a Ride: Phylogenetic Perspectives on Ectoparasitism, Indianapolis, Indiana.

2006. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? New York State Museum.

2006. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? Research Seminar Series, Field Museum of Natural History.

2006. Phylogenies of toucans and lice: What can they tell us about correlates of diversification? Department of Ecology and Evolution Colloquium, University of Kansas.

2006. Why lousy birds are interesting: Examples of what birds and lice can teach us about evolution. University of Kansas Natural History Museum and Biodiversity Research Center.

2005. Plumage coloration and biogeography as correlates of diversification in toucans and their chewing lice. Department of Entomology Seminar Series, Texas A and M University.

2005. Plumage coloration and biogeography as correlates of diversification in toucans and their chewing lice. TGIF Seminar, Department of Biology, University of Utah.

2004. Biogeographic patterns of hosts and their ectoparasites. NSF Partnerships in Enhancing Expertise in Taxonomy V Conference Symposium entitled Assessing Spatial Biogeography, Champaign-Urbana, Illinois.

2004. Cophylogenetics in an aviating zoological garden: toucans and their ectoparasitic chewing lice. Biology Colloquium, University of Wisconsin – Milwaukee.

2002. Biogeography explains cophylogenetic patterns in toucan lice. Evolution Meeting SSB Symposium entitled Untangling Coevolutionary History, Urbana-Champaign, Illinois.

2002. Biogeography explains cophylogenetic patterns in toucan lice. Second International Congress on Phthiraptera, Brisbane, Australia.

TALKS

2020. Phylogenetic relationships, conservation genetics, and species limits of the Sharp-shinned Hawk complex with a focus on Caribbean populations. Drexel BEES Graduate Research Seminar, Drexel University, 23 January 2020.

2019. Phylogenetic relationships within the Sharp-shinned Hawk complex with a focus on Caribbean populations. Wilson Ornithological Society/Association of Field Ornithologists Meeting, Cape May, New Jersey.

2018. Parasites as markers of avian host ecology and evolution: Examples from the micro and macroevolutionary histories of parasitic chewing lice (Insecta: Phthiraptera). International Conference on Phthiraptera, Brno, Czech Republic.

2016. Parasites as markers of avian host ecology and evolution: Examples from the micro and macroevolutionary histories of parasitic chewing lice (Insecta: Phthiraptera). North American Ornithological Conference, Washington, D. C.

2013. When cospeciation isn't common: The importance of biogeography and host-specificity in host-parasite coevolutionary studies. American Ornithologists' Union Meeting, Chicago, Illinois.

2011. Speciation of ectoparasites on avian "islands": Phylogeography of *Lamprocorpus* (Insecta: Phthiraptera) chewing lice from montane tinamous. Neotropical Ornithological Congress, Cuzco, Peru.

2011. Molecular phylogenetics and the pattern and timing of diversification of toucans (Family: Ramphastidae). American Ornithologists' Union Meeting, Jacksonville, Florida.

2010. Molecular phylogenetics and the pattern and timing of diversification of toucans (Family: Ramphastidae). International Ornithological Congress, Campos do Jordão, São Paulo, Brazil.

2008. Phylogeography of *Lamprocorpus* (Insecta: Phthiraptera) from tinamous (Aves: Tinamidae) found on Andean sky islands. Entomological Society of America Meeting, Reno, Nevada.

2008. Molecular phylogenetics and the pattern and timing of diversification of New World barbets. American Ornithologists' Union Meeting, Portland, Oregon.

2006. Micro- and Macroevolutionary perspectives into the cophylogenetic history of toucans and their chewing lice. Third International Congress on Phthiraptera, Buenos Aires, Argentina.

2005. Phylogenetics of *Leptotila* doves: an empirical example of why the ILD test is still useful. American Ornithologists' Union Meeting, Santa Barbara, California.

2004. Cophylogenetics of doves and their body lice. Evolution Meeting, Fort Collins, Colorado.

2004. Cophylogenetics in an aviating zoological garden: toucans and their ectoparasitic chewing lice. Illinois Natural History Survey, Champaign, Illinois.

2004. A lousy bird expedition to Ghana. Illinois Natural History Survey, Champaign, Illinois.

2002. Molecular phylogenetics and the evolution of extreme similarity in the plumage and soft part coloration of *Ramphastos* toucans. Biograds Graduate Student Symposium, Baton Rouge, Louisiana.

2002. Molecular phylogenetics and plumage convergence in the *Ramphastos* toucans. North American Ornithological Congress, New Orleans, Louisiana.

2001. Cophylogenetic analysis of toucans (Aves: Piciformes) and their Ischnoceran chewing lice: Are host and parasite phylogenies congruent? American Ornithologists' Union Meeting, Seattle, Washington.

1999. Population history of Ross's and Snow geese: a genetic and historical perspective. Biograds Graduate Student Symposium, Baton Rouge, Louisiana.

1998. Mitochondrial genome transfer and replacement in the crowned sparrows (Genus *Zonotrichia*). International Ornithological Congress, Durban, South Africa.

1998. Mitochondrial genome transfer and replacement in the crowned sparrows (Genus *Zonotrichia*). LSU Department of Biological Sciences McDaniel's Travel Award Lecture.

1997. Extraordinary genetic similarity in the North American crowned sparrows (Genus *Zonotrichia*): a footprint of past hybridization. LSU Museum of Natural Science Seminar.

1996. Mitochondrial genome transfer between White-crowned Sparrow and Golden-crowned Sparrow. American Ornithologists' Union Meeting, Boise, Idaho.

1994. Changes in distribution patterns of select wintering birds from 1901-1989. Michigan Academy of Science, Arts, and Letters Centennial Meeting, Lansing, Michigan.

GRANT AND MANUSCRIPT PEER REVIEW

National Science Foundation: Systematic Biology Program, Assembling the Tree of Life Program, and Population and Evolutionary Processes Cluster, National Geographic Society, Auk, African Journal of Ecology, Biological Journal of the Linnean Society, Biota Neotropica, Biotropica, BMC Evolutionary Biology, Caribbean Journal of Science, Condor, Cotinga, Ecotrópicos, Entomology News, Folia Zoologica, Genetics Selection Evolution, International Journal for Parasitology, Journal of Avian Biology, Journal of Biogeography, Journal of the Kansas Entomological Society, Journal of Natural History, Journal of Parasitology, Ornithologia Neotropical, Marine Biology, Molecular Ecology, Molecular Ecology Resources, North American Bird Bander, PLoS One, Proceedings of the Royal Society of London B, Revista Brasileira de Ornitologia, Southeastern Naturalist, Systematic Biology, Systematic Entomology, The Wilson Bulletin, Zoologica Scripta, Zootaxa.

SERVICE

Co-editor of *Zootaxa* for Phthiraptera (2013-2021)
Associate Editor Revista Brasileira de Ornitologia (2013-2017)
Associate Editor Auk Ornithological Advances (2018-2022)
Member Board of Trustees, Willistown Conservation Trust (2018-2024)
Bird Safe Philly (2020-present)

STUDENTS MENTORED

Elementary School Students: Victoria Sindlinger (homeschooled 6th grader, conducted science fair project in my lab).
High School Students: Illinois Math and Science Academy: Malia Wenny; Latin School of Chicago: Nathan Goldberg (Cornell University); Glenbrook North High School: Ari Rice (BS Biology at Lawrence University, M.S. Villanova University, currently Biology Ph.D. student at Texas Tech University), Oak Park and River Forest High School: Ethan Gyllenhaal (B.S. University of Rochester; currently Ph.D. student at the University of New Mexico), Libertyville High School: Nick Minor (B.S. University of Minnesota, currently M.S. student at University of Wyoming).
Undergraduate Students: Louisiana State University: Tyler Ortego, Jessica Armenta (Ph.D., University of Wisconsin, Milwaukee); University of Illinois: John Murdoch (Ph.D., Yale University); Lake Forest College: Chelsea Bueter (Ph.D., University of Massachusetts); Brown University: Kam Sripada; Lawrence University: Ari Rice (currently Biology Ph.D. student at Texas Tech University); Northwestern University: Irene Swanenberg, Swati Patel (Ph.D., UC Davis, currently assistant professor Oregon State University), Nathan Trautenberg; University of Chicago: Holly Lutz (Ph.D, Cornell University, currently postdoc at Scripps Research Institute), Joseph Cacioppo (DVM/Ph.D., University of Illinois Urbana-Champaign, currently practicing in Seattle, Washington), Adam Gordon (currently in Genome Sciences Ph.D. program at University of Washington), Jennie Lee, Sarah Kurtis (currently in Ph.D. program at University of Florida, Gainesville); University of Rochester: Ethan Gyllenhaal (currently in Ph.D. program at University of New Mexico); Drexel University: Emily Ostrow (M.S. Drexel University; Ph.D. program University of Kansas; Geneticist USFWS), Kaya Gentile, Chyna Poor Thunder, Anne

R. Ciccariello, Kevin Fitzpatrick, Moed Gerveni, Suravi Ray (currently MS program at Temple University), Marissa Henry, Jenna Souto, Joseph Robertson, Abigail del Grosso, Emily Johns (currently in Ph.D program at University of Texas at El Paso), Calvin Keeys, Matthew Soesanto, Abigail Jordon, Kai Doron; Temple University: Kiana Habersham.
Graduate Students (and visiting Graduate students): Universidade de São Paulo, Brazil: José S. L. Patané (Ph.D.); Universidade do Pará/Museu Paraense Emilío Goeldi, Brazil: Carlos Eduardo Portes (M.S.), Sidnei de Melo Dantas (Ph.D.), Renata Biancalana (Ph.D.); National Museums of Kenya/Kenyata University, Kenya: Wanyoike Wamiti (M.S.); Instituto Nacional de Pesquisa da Amazônia: Mirna Amoêda (M.S.); University of Veterinary and Pharmaceutical Science, Brno, Czech Republic: Stanislav Kolencik; Museu de Zoologia da Universidade de São Paulo: Kamila Mayumi Kuabara (M.S); Museu Nacional, Rio de Janeiro, Brazil: Samantha Palhano (Ph.D.); Drexel University, Philadelphia PA: Matthew R. Halley (Ph.D.; Assistant Curator of Ornithology, Delaware Museum of Science and Nature), Emily Ostrow (M.S.; Ph.D. program University of Kansas; Geneticist USFWS), Kamila Mayumi Kuabara (Ph.D.), Emily Griffith (Ph.D.), Jon Merwin (Ph.D.).
Graduate Student Committees: Drexel University: Solange Akimana (Ph.D.), Gizelle Batomalaque (Ph.D.), Danielle Rock (M.S.), Steve Miller (Ph.D.), Miguel Perez (Ph.D.), Nathaniel F. Schoobs (Ph.D.), Heather Kostick (Ph.D.), Bob Conrow (Ph.D.) and Joseph Sweeny (Ph.D.); Louisiana State University: Erik I. Johnson (Ph.D.); University of North Dakota: Jeffrey A. Bell (Ph.D.); Universidade Federal de Santa Maria, Brazil: Hugo Amaral (M.S.); University of Albany: Naima C. Starkloff (Ph.D.); University of Veterinary and Pharmaceutical Science, Brno, Czech Republic: Tomás Najer (Ph.D), served as opponent for defense; Universidade Federal do Paraná, Brazil: Gabriel Massaccesi De La Torre, Ph.D. thesis evaluation committee; University of Kansas: Emily Ostrow; University of Otago, New Zealand: Daniela de Angeli Dutra, Ph.D. thesis examiner.
Postdoctoral Researchers: Luke Musher, Spencer C. Galen (US National Science Foundation Post-doctoral Fellow; Assistant Professor, University of Scranton), Therese A. Catanach, Alan Fecchio (Brazilian National Science Foundation Post-doctoral Fellow; Postdoctoral Fellow, Universidade Federal do Mato Grosso), Vitor Q. Piacentini (Brazilian National Science Foundation Post-doctoral Fellow; Professor, Universidade Federal do Mato Grosso, Instituto de Biosciências), Michel P. Valim (Brazilian National Science Foundation Post-doctoral Fellow, Professor, Universidade Iguaçu, Rio de Janeiro).

OUTREACH MEDIA AND INTERVIEWS

Variety is the Spice of Lice: http://vimeo.com/44956295
Science at FMNH-Collecting Birds for Museums: http://vimeo.com/49323191
Science at FMNH-The Emerging Pathogens Project: http://vimeo.com/49323186
Science at FMNH-Can working at The Field Museum change your life? (A video about how working at the Field Museum helped my undergraduate student to discover her love for biology): http://vimeo.com/49323192
NPR: All Things Considered: Big-Beaked Toucans Play It Cool: http://tinyurl.com/mscfyn
Chicago PR: Eight-Forty-Eight: Dead Migratory Birds: http://tinyurl.com/9t4fzo2
FMNH Expeditions: Amazonian Birds: http://tinyurl.com/kne64zv
Southern Amazonian Birds and their Symbionts Project Web Page: http://tinyurl.com/awtv3nd
Chicago Tonight Web Series Episode 4 "Field Trip": Ruffling Some Feathers:

http://chicagotonight.wttw.com/2013/11/14/web-series-episode-4-chicago-tonight-s-field-trip
WHYY The Pulse, In order to know birds we must first acquaint ourselves with lice: http://www.newsworks.org/index.php/local/the-pulse/78289-in-order-to-know-birds-we-must-first-acquaint-ourselves-with-lice
Philadelphia Inquirer reporter Sandy Bauers interviewed me on 31 December 2014 for a story entitled "Studying bird lice for answers on pathogens and evolution.": https://www.inquirer.com/philly/news/nation_world/20141231_Studying_bird_lice_for_answers_on_pathogens_and_evolution.html
WHYY story entitled "Cat fight: How to manage Philadelphia's exploding feral cat population," on the conservation implications of Trap Neuter Release program in Philly: https://whyy.org/articles/03pccats/
WHYY Radio Times, North American birds in decline: https://whyy.org/edpisodes/north-america-birds/
WGGT 92.9 LPFM Germantown Community Radio, Planet Philadelphia Environmental Radio Show: https://www.mixcloud.com/PlanetPhiladelphia/whats-happening-to-birds-and-bees-and-other-vital-critters-as-the-climate-changes-122019-show/
KYW Newsradio interview with Molly Daly "2 historic Philadelphia-area cemeteries host citizen's science walk for birds": https://kywnewsradio.radio.com/articles/news/2-historic-cemeteries-host-citizens-science-walk-for-birds
Philadelphia Inquirer interviewed on 26 May 2020 by Grace Dickenson for a story on dead birds in the city: https://www.inquirer.com/news/philadelphia-area-dead-birds-spring-20200528.html
#COVIDCalls 6.2.2020 Biodiversity & COVID-19, Academy of Natural Sciences Session #1 with Scott Knowles: https://www.youtube.com/watch?v=DJOANH10DW8
Philadelphia Inquirer reporter Frank Kummer interviewed me for a story entitled "Up to 1,500 birds flew into some of Philly's tallest skyscrapers on day last week. The slaughter shook bird-watchers.": https://www.inquirer.com/news/birds-center-city-philadelphia-audubon-october-2-2020-20201007.html
Various Articles published via a story written by Shawn marsh of the Associated Press:
https://apnews.com/article/science-philadelphia-climate-change-birds-ae7b8dc52663edd720596445f76aa105
https://www.theguardian.com/us-news/2021/mar/12/philadelphia-birds-skyscrapers-deaths-lights-out
https://www.baltimoresun.com/news/nation-world/ct-aud-nw-bird-safe-philly-dim-lights-20210312-224mv6ezrva5ncavny7nrhl7m4-story.html
https://www.chicagotribune.com/nation-world/ct-aud-nw-bird-safe-philly-dim-lights-20210312-224mv6ezrva5ncavny7nrhl7m4-story.html
https://www.washingtonpost.com/national/philly-to-dim-lights-to-make-it-safer-for-birds-in-flight/2021/03/12/9ae4ed6c-8351-11eb-be22-32d331d87530_story.html
https://www.smithsonianmag.com/smart-news/philadelphia-skyscrapers-turn-lights-save-migrating-birds-180977246/
https://whyy.org/articles/philly-to-dim-lights-to-make-it-safer-for-birds-in-flight/
Courthouse News Story by Alexandra Jones about Birds Safe Philly and the Lights Out initiative: https://www.courthousenews.com/embracing-philadelphias-dark-side-birders-push-for-a-change-in-lighting/

March 2021 Grid Magazine story by Billy Brown on Phildealphians enjoying Nature during the pandemic: https://www.gridphilly.com/magazine
16 March 2021 WHYY story by Susan Phillips on Bald Eagles in Philadelphia: https://whyy.org/articles/look-up-in-the-sky-a-bald-eagle-brings-joy-near-the-art-museum/?utm_content=app_click&utm_source=app&utm_medium=feed
22 March 2021 WHYY Radio Times Regional Roundup by Mary Cummings Jordan about the Philadelphia Lights Out Campaign (interview starts at 32:50): https://whyy.org/episodes/regional-roundup-03-22-21/
24 March 2021 USA Today article about a viral Facebook post falsely claiming that hawks can carry off small dogs and cats: https://www.usatoday.com/story/news/factcheck/2021/03/23/fact-check-warning-falsely-claims-hawks-can-carry-small-pets/4765475001/
29 March 2021 Several stories came out my labs recently published Zootaxa paper describing two new species of *Megascops* screech owls: https://www.earth.com/news/two-new-species-of-screech-owls-are-already-critically-endangered/
http://www.sci-news.com/biology/two-new-screech-owl-species-09496.html
https://www.sciencedaily.com/releases/2021/03/210325084830.htm
https://www.iflscience.com/plants-and-animals/two-new-endangered-species-of-amazon-rainforest-screech-owls-found/
https://www.eurekalert.org/pub_releases/2021-03/uoh-rdn032621.php
https://news.mongabay.com/2021/04/two-new-species-of-endangered-screech-owls-identified-from-brazil/
31 March 2021 Interviewed by Randy Gyllenhaal of NBC Philadelphia for a story on Bird Safe Philly and the lights out campaign: https://www.nbcphiladelphia.com/news/local/lights-out-philly-turns-off-the-lights-to-protect-birds/2763723/
22 April 2021 BBC story by Laura Paddison on the Philadelphia Lights Out Campaign: https://www.bbc.com/future/article/20210719-why-light-pollution-is-harming-our-wildlife
10 May 2021 interviewed by Tasia Osipova for a Land Health Institute website blog post about the Bird Safe Philly Lights Out Campaign: https://www.landhealthinstitute.org/single-post/bird-collisions-in-philadelphia
21 May 2021 Interviewed by Nikolay Nikolov for a Mashable story about Bird Safe Philly and Bird Collisions: https://mashable.com/video/how-to-reduce-bird-collisions-in-cities/?europe=true
28 May 2021 Interviewed by Stephanie Parker for an article in HowStuffWorks about the Philadelphia Lights Out Program. Article published on 2 June 2021: https://animals.howstuffworks.com/birds/lights-out-program-birds.htm
29 May 2021 CBS Morning Show piece about Lights Out Philly program aired: https://www.cbs.com/shows/cbs-this-morning-saturday/video/Wi2bbo3LW_ZbcmirDfUAhs__FGnOheOJ/philadelphia-residents-work-to-save-birds-who-hit-buildings-during-migration/
8 Feb 2022 ANS blog post about new species described by ANS scientists: https://www.anspblog.org/new-species-named-and-described/
29 March 2022 Interviewed by Robert McDevitt from KYW Newsradio about Bird Safe Philly and the lights out program:

https://www.audacy.com/kywnewsradio/news/local/bird-migration-crashes-buildings-lights-out-philly?s=09

7 April 2022 Interview by Matteo Iadonisi from 6abc Action News for a story about the Academy of Natural Sciences of Drexel University Ornithology Collection and our work with Bird Safe Philly: https://6abc.com/earth-day-birds-study-life/11722517/

18 April 2022 Interview by national news correspondent Maya Rodriguez of E. W. Scripps News Media about the Bird Safe Philly Lights Out program to help minimize nocturnal migrant bird building collisions: https://www.wptv.com/news/national/downtowns-turn-lights-out-to-safeguard-spring-bird-migration

18 January 2023 quoted in Philly Magazine Article "Ok, What's up with all the disembodied pigeons on Philly streets?:
https://www.phillymag.com/news/2023/01/17/pigeons-philadelphia-birds/

13 February 2023 Philadelphia Science Café, Science on Tap Presentation:
https://www.youtube.com/watch?v=mRz403pRWXU

1 May 2023 Interview by Frank Kummer of the Philadelphia Inquirer about specimens from Bird Safe Philly and what we do with them:
https://www.inquirer.com/science/philadelphia-dead-birds-academy-of-natural-sciences-drexel-collection-20230504.html?fbclid=IwAR0cyWXgLaFEnvW0Z-pEFs3h9kIeFisDqSjLy04dvJl1cVoOGGDNAkroJpo

2023 Excel Magazine, two articles:
"Safe Skylines for Birds": https://exelmagazine.org/article/safe-skylines-for-birds/
"Antique Data confirms Owl Discovery": https://exelmagazine.org/article/antique-data-confirms-owl-discovery/

12 October 2023 WHYY interview on Studio2 program (begins at 10 mins 30 secs):
https://whyy.org/episodes/birds-banning-gas-powered-leaf-blowers/

24 January 2024 Axios Article on a vagrant Painted Bunting visiting Philadelphia:
https://www.axios.com/local/philadelphia/2024/01/29/painted-bunting-philadelphia-bartrams-garden

15 June 2024 PBS NewsHour Story How Philadelphians are working to protect birds from deadly window collisions
https://www.youtube.com/watch?v=NSh5j8OPvf4&t=2s