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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.
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

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 endemism 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

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. 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*.
- In Press. 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*.
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-lice 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 Neotropical 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: Gonioididae). *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 *Austrophilopterus* 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. Weckstein, J. D., D. E. Kroodsmas, 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.
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 (EF1 α) 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, USDO, 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. Fecchio, A., M. D. Collins, J. A. Bell, E. A. García-Trejo, L. A. Sánchez-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*.
- In Review. 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*.
- In Review. Bosholn, M., M. Anciães, D. Gil, J. D. Weckstein, J. H. Dispoto, A. Fecchio. Individual variation in feather corticosterone levels and its influence on haemosporidian infection in a Neotropical bird. *Ibis*.
- In Review. Halley, M. R., J. D. Weckstein, T. A. Catanach, and J. Klicka. Implications of climate-mediated dispersal on species limits in the Slaty-backed Nightingale-Thrush complex (Aves: Turdidae: *Catharus fuscater*), with descriptions of two new species. *The Auk: Ornithological Advances*.
- In Review. Mirna L. Amoedo, Jason D. Weckstein, and Camila C. Ribas. What can parasites' evolutionary history tell us about their hosts? *Journal of Parasitology*.
- In Review. 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*.
- In Review. 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*.

NON-PEER REVIEWED PUBLICATIONS AND WEB PUBLICATIONS

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

- Ithaca: Cornell Lab of Ornithology; retrieved from Neotropical Birds Online:
http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=27206
- 2010 Rice, A. A., J. D. Weckstein, and J. Engel. 2010. Chestnut-mandibled Toucan (*Ramphastos swainsonii*). In *Neotropical Birds Online* (T. S. Schulenberg, Editor). Ithaca: Cornell Lab of Ornithology; retrieved from Neotropical Birds Online:
http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=303416

INVITED TALKS

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, Cali, 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

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 examples 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, 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 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 (March 2013-present)
 Associate Editor Revista Brasileira de Ornitologia (2013-2017)
 Associate Editor Auk Ornithological Advances (2018-present)
 Member Board of Trustees, Willistown Conservation Trust (2018-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, currently Biology MS student at Villanova), Oak Park and River Forest High School: Ethan Gyllenhaal (University of Rochester), Libertyville High School: Nick Minor (University of Minnesota).

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 MS student at Villanova); Northwestern University: Irene Swanenberg, Swati Patel (Ph.D., UC Davis,

currently postdoc at Tulane), Nathan Trautenberg; University of Chicago: Holly Lutz (Ph.D, Cornell University, Postdoc, University of Chicago) , Joseph Cacioppo (DVM/Ph.D., University of Illinois Urbana-Champaign, currently resident at LSU Vet School), 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 (starting Ph.D. program at University of New Mexico); Drexel University: Emily Ostrow (starting Ph.D. program at University of Kansas, Kaya Gentile, Chyna Poor Thunder, Anne R. Ciccariello, Kevin Fitzpatrick, Moed Gerverni, Suravi Ray, Marissa Henry.

Graduate Students (and visiting Graduate students): Universidade de São Paulo, Brazil: José S. L. Patané (Ph.D.); Universidade do Pará/Museu Paraense Emílio 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); Drexel University, Philadelphia PA: Matthew R. Halley (Ph.D.), Emily Ostrow (M.S.).

Graduate Student Committees: Drexel University: 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.); 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.

Postdoctoral Researchers: Spencer C. Galen (US National Science Foundation Post-doctoral Fellow), Therese A. Catanach, Alan Fecchio (Brazilian National Science Foundation Post-doctoral Fellow), Spencer Galen (U.S. National Science Foundation Post-doctoral Fellow), Vitor Q. Piacentini (Brazilian National Science Foundation Post-doctoral Fellow), Michel P. Valim (Brazilian National Science Foundation Post-doctoral Fellow).

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>

DEVELOPMENT OF WEB TOOLS FOR BIODIVERSITY RESEARCH

ParaSite: www.parasite.fieldmuseum.org: An online MySQL database application for managing host-parasite biodiversity survey data.