

Oscar Johnson, Ph.D.

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ACADEMIC APPOINTMENTS

2022—present NSF Postdoctoral Fellow The University of Texas at El Paso
(Sponsor: Michael G. Harvey)

EDUCATION

2014—2021 Ph.D., Biological Sciences Louisiana State University, Baton Rouge, LA
Dissertation: Genetic structuring and community assembly in Neotropical birds. Advisor: Robb T. Brumfield

2008—2011 B.S., Ecology and Evolutionary Biology University of California, Santa Cruz, CA
Senior Thesis: Mixed species flocking behavior at Monteverde, Costa Rica. Advisor: Bruce E. Lyon.

PEER-REVIEWED PUBLICATIONS

- 22 Freeman, B.G., Montgomery, G.A., Heavyside, J., Moncrieff, A.E., **Johnson, O.**, and Winger, B.M. In prep. On the predictability of phenotypic divergence in geographic isolation.
- 21 **Johnson, O.**, Ribas, C.C., Aleixo, A., Naka, L.N., Harvey, M.G., and Brumfield, R.T. In prep. Ephemeral habitats promote dispersal and limit population genetic structure in Amazonian birds.
- 20 Hiller, A. E., **Johnson, O.**, Moncrieff, A. E., and Salter, J. F. In review. Overgrown bill in a Northern Mockingbird (*Mimus polyglottos*) from West Texas, with a review of elongated bill deformities in the genus *Mimus*.
- 19 **Johnson, O.** 2022. First record of the Yellow-bellied Flycatcher (*Empidonax flaviventris*) for the El Paso region of Texas. *Western Birds* 52(2):173-176. doi:10.21199/WB53.2.7
- 18 Tobias, J. A., Sheard, C., Pigot, A. L., Devenish, A. J. M., Yang, J., [...] **Johnson, O.**, [...], and 104 other authors. 2022. AVONET: morphological, ecological and geographical data for all birds. *Ecology Letters* 25:581–597. doi:10.1111/ele.13898
- 17 Moncrieff, A. E., **Johnson, O.**, Felix, C., Corbett, E. C., Brady, M. L., Seeholzer, G. F., Bautista, E., Lane, D. F., and Harvey, M. G. 2020. Avifaunal surveys in the central Peruvian Amazon clarify range limits and highlight links between avian and habitat diversity. *Wilson Journal of Ornithology* 132(4):934–951. doi:10.1676/20-00082
- 16 **Johnson, O.**, Howard, T.J., and Brumfield, R.T. 2020. Systematics of a Neotropical clade of dead-leaf-foraging antwrens (Aves: Thamnophilidae; *Epinecrophylla*). *Molecular Phylogenetics and Evolution* 154:106962. doi:10.1016/j.ympev.2020.106962
- 15 Denzer, W., Manthey, U., Brady, M. L., and Johnson, O. 2020. Erstnachweis von *Gonocephalus* cf. *abbotti* (Cochrane, 1922) auf Sumatra [First record of *Gonocephalus* cf. *abbotti* (Cochrane, 1922) on Sumatra]. *Sauria* 42(4):49–56.
- 14 Haryoko, T., **Johnson, O.**, Brady, M. L., Shakya, S. B., Irham, M., Yohanna, Ritonga, R. R., Prawiradilaga, D. M., and Sheldon, F. H. 2020. Recent ornithological expeditions to Siberut Island, Mt. Talamau, and Rimbo Panti Nature Reserve, Sumatra, Indonesia. *Treubia* 47(1):13–38.
- 13 Monteza-Moreno, C. M., Castillo-Caballero, P. L., **Johnson, O.**, and Angehr, G. R. 2020. First annotated checklist of birds of Jicarón and Jicarita: the southernmost islands of the Republic of Panama. *Tecnociencia* 22(2):123–149.

- 12 Shakya, S. B., Irham, M., Brady, M. L., Haryoko, T., Fitriana, Y. S., **Johnson, O.**, Moyle, R. G., Prawiradilaga, D. M., and Sheldon, F. H. 2020. Observations on the relationship of some Sundaic passerine taxa (Aves: Passeriformes) previously unavailable for molecular phylogenetic study. *Journal of Ornithology* 161:651–664. doi:10.1007/s10336-020-01766-9
 - 11 Capunitan, D., **Johnson, O.**, Terrill, R. S., and Hird, S. 2020. Evolutionary signal in the gut microbiomes of 74 bird species from Equatorial Guinea. *Molecular Ecology* 29(4):829–847. doi:10.1111/mec.15354
 - 10 Salter, J. F., **Johnson, O.**, Stafford III, N. J., Herrin Jr., W. F., Schilling, D., Cedotal, C., Brumfield, R. T., and Faircloth, B. C. 2019. A highly contiguous reference genome for Northern Bobwhite (*Colinus virginianus*). *G3:Genes/Genomes/Genetics* 9(12):3929–3932.
 - 9 Moncrieff, A. E., **Johnson, O.**, Lane, D. F., Álvarez Alonso, J., Balta, K., Eckhardt, K., Armenta, J., Valqui, T., Hernández, F., Soto Huaira, M., Mur, C., Harvey, M. G., Verde-Guerra, K., and Figueroa Ramírez, S. 2019. Avifaunal surveys along the lower Huallaga River, Region of Loreto, Peru: new distributional records, collection of topotypes, and taxonomic implications. *Wilson Journal of Ornithology* 131(3):486–501.
 - 8 **Johnson, O.***, Moncrieff, A. E.*, Lane, D. F., Beck, J., Angulo-Pratolongo, F., and Fagan, J. 2018. A new species of antbird (Passeriformes: Thamnophilidae) from the Cordillera Azul, San Martín, Peru. *The Auk: Ornithological Advances* 135:114–126.
 - 7 **Johnson, O.** 2017. Notes on the nesting behavior of the Gray-mantled Wren (*Odontorchilus branickii*). *Ornitologia Neotropical* 28:175–179.
 - 6 Cooper, J. C., **Johnson, O.**, Davis, T. J., Terrill, R. S., Wolfe, J. D., Brzeski, K. E., Motove Etingüe, A., and Powell, L. L. 2017. Notes on the distribution of the avifauna of Bioko Island, Equatorial Guinea, including one new country record. *Malimbus* 39:1–15.
 - 5 Shizuka, D., Chaine, A. S., Anderson, J., **Johnson, O.**, Laursen, I. M., and Lyon, B. E. 2014. Across-year social stability shapes network structure in wintering migrant sparrows. *Ecology Letters* 17:998–1007.
 - 4 **Johnson, O.** and Billings, M. J. 2014. The Mangrove Yellow Warbler reaches California. *Western Birds*. 45:160–162.
 - 3 **Johnson, O.**, Pyle, P., and Tietz, J. 2013. The subspecies of the Song Sparrow on Southeast Farallon Island and in central California. *Western Birds* 44:162–170.
 - 2 **Johnson, O.**, Sullivan, B. S., and McCaskie, G. 2012. The 36th report of the California Bird Records Committee: 2010 records. *Western Birds* 43:164–188.
 - 1 **Johnson, O.** 2010. Primer registro de rascón café (*Amaurolimnas concolor*) en Monteverde, Puntarenas, Costa Rica. *Zeledonia* 14:57–58.
- * These authors contributed equally to this manuscript

OTHER PUBLICATIONS

- 4 **Johnson, O.** 2022. A taxonomic revision of the genus *Chondrohierax*. <https://doi.org/10.31219/osf.io/hxsby>
- 3 **Johnson, O.** 2016. Pearly-breasted Conebill (*Conirostrum margaritae*), Neotropical Birds Online (T. S. Schulenberg, Editor). Ithaca: Cornell Lab of Ornithology.
- 2 **Johnson, O.**, and A. Wang. 2012. Hanging by a thread: birds and conservation on Kaua'i. *Winging It* 24(3):1–6.
- 1 **Johnson, O.** 2010. Book review: *Birds of the US-Mexico Borderlands: Distribution, Ecology, and Conservation*, by J. Ruth, T. Brush, and D. Krueper, associate editors. *Western Birds* 41:60–61.

SCIENTIFIC PRESENTATIONS

- 14 **Johnson, O.**, Barber, R., Bravo, G., Claramunt, S., Derryberry, E., Harvey, M., Marcondes, R., Rego, M., Tobias, J., and Brumfield, R.T. 2021. (Talk). Time to sympatry in suboscine passerines. American Ornithological Society Conference.
- 13 **Johnson, O.**, Howard, J. T., and Brumfield, R. T. 2020. (Poster). Systematics of a Neotropical clade of dead-leaf foraging suboscines. North American Ornithological Conference.
- 12 **Johnson, O.** and Brumfield, R. T. 2019. (Talk). Comparative phylogeography of Amazonian riverine island birds. American Ornithological Society Conference.
- 11 Hird, S., Capunitan, D., **Johnson, O.**, Terrill, R. S. 2019. (Talk). Evolutionary signal in avian microbiomes. Evolution.
- 10 **Johnson, O.** and Brumfield, R. T. 2019. (Talk). Comparative phylogeography of Amazonian riverine island birds. LSU BioGrads Symposium.
- 9 Hird, S., Capunitan, D., **Johnson, O.**, Terrill, R. S. 2019. (Keynote talk). Evolutionary signal in avian microbiomes. Pioneer Valley Microbiology Symposium.
- 8 **Johnson, O.** 2018. (Invited talk). Recent LSU Museum of Natural Science expeditions to South America; science, discovery, and exploration. Baton Rouge Audubon Society.
- 7 **Johnson, O.** 2016. (Talk). Expedition Travelogue Part I: Ornithology in Africa. Louisiana State University Museum of Natural Science Seminar.
- 6 **Johnson, O.** and Robb T. Brumfield. 2016. (Talk). Phylogeographic patterns of Amazonian river-island birds. North American Ornithological Conference.
- 5 Freitas, L., Delgado-Jaramillo, M., Cabanne, G., **Johnson, O.**, and Luciano Naka. 2016. (Talk). História evolutiva e conservatismo de nicho de *Myrmorchilus strigilatus*: um táxon endêmico de duas florestas secas neotropicais. XXIII Congresso Brasileiro de Ornitologia.
- 4 **Johnson, O.** 2015. (Talk). Expedition Travelogue Part II: Peru. Louisiana State University Museum of Natural Science Seminar.
- 3 **Johnson, O.** 2015. (Talk). Within- and across-year social cohesion in wintering sparrows revealed by social networks. Louisiana State University Museum of Natural Science seminar.
- 2 Shizuka, D., Chaine, A. S., Johnson, O., Laursen, I. M, and Lyon, B. 2014. (Talk). Within- and across- year social cohesion in wintering migrant sparrows revealed by social network analysis. AOU/COS/SCO Joint Meeting.
- 1 **Johnson, O.** 2006. (Poster). Associations between wind speed and wing-strain in mist-net captured birds. Poster presentation. Ventana Wildlife Society Semi-annual Staff Conference.

AWARDS, GRANTS, AND SCHOLARSHIPS

2021	National Science Foundation Postdoctoral Research Fellowship in Biology	\$138,000
2019	LSU Dissertation Year Fellowship	\$18,000
2018	Outreach Award – LSU Museum of Natural Science	
2017	Virginia L. Mouw Award in Ornithology	\$200
2017	Wetmore Award – American Ornithological Society	\$2,400
2017	Chapman Grant – American Museum of Natural History	\$1,900
2016	Student travel award – American Ornithologists’ Union	\$265
2016	National Science Foundation Graduate Research Fellowship	\$102,000
2007	Maxwell Scholar	\$1000

TEACHING EXPERIENCE

Teaching Assistant

Principles of Genetics (LSU Sophomore course)

Jan 2015 – May 2015

Biological Laboratories for Science Majors (LSU Freshman course)

Aug 2014 – Dec 2014

Mentorship

Miguel Solis, undergraduate student at The University of Texas at El Paso (2022 – present)

Jeffrey T. Howard, undergraduate student at Louisiana State University (2017 – 2019)

Trained 21 field assistants, undergraduate and graduate students, postdoctoral researchers, and professors in bird specimen preparation techniques (2016 – 2022)

CURATORIAL EXPERIENCE

Ornithology, LSU Museum of Natural Science

Aug 2019 – May 2020

Curatorial Assistant

Genetic Resources, LSU Museum of Natural Science

Jul 2015 – Aug 2016

Curatorial Assistant

Botany, Univ. of California Santa Cruz Museum of Natural History

Sep 2009 – Mar 2010

Curatorial Assistant

& Jan 2011 – Mar 2011

Mammalogy, Santa Barbara City College Teaching Museum

Aug 2007 – Jun 2008

Curatorial Assistant

Ornithology, Santa Barbara Museum of Natural History

Jan 2005 – Sep 2008

Assistant Curator

SERVICE

Committees:

American Ornithological Society Natural History Collections Committee

American Ornithological Society Early Career Systematics Group

Reviews provided: 12

Journals: *Molecular Phylogenetics and Evolution*, *Ornithology*, *Global Ecology and Biogeography*, *Ecology and Evolution*, *Revista de la Academia Colombiana de Ciencias Exactas Físicas y Naturales*, *Check List*, *Journal of Natural History*, *Western Birds*

OUTREACH

Louisiana Ornithological Society

Oct 2019

eBird best practices (talk)

Gulf Coast Bird Club

Oct 2019

eBird basics (talk)

Louisiana Ornithological Society

Mar 2018

eBird basics workshop

Baton Rouge Westdale Middle School Family STEM night

Dec 2018

Outreach to middle school kids for Museum of Natural Science

Acadiana Master Naturalists Bird Workshop

Dec 2018

Bird specimen preparation demo

Acadiana Master Naturalists Bird Workshop

Sep 2018

<i>Behind the scenes tours of museum collection</i>	
Seminar series coordinator -- LSU Museum of Natural Science	Fall 2018
<i>Invite, organize visits, and host seminar speakers during Fall semester</i>	
4H Wildlife Competition Group	Jun 2018
<i>Taught middle and high school students bird identification</i>	
Audubon Day	May 2018
<i>LSUMNS outreach for the general public</i>	
Acadiana Master Naturalists Bird Workshop	May 2018
<i>Behind the scenes tours of museum collection</i>	
LSU Museum of Natural Science Birdathon fundraiser	May 2017
<i>Coordinator</i>	
Acadiana Master Naturalists Bird Workshop	Sep 2017
<i>Behind the scenes tours of museum collection</i>	
LSUMNS Night at the Museum – Birds	Sep 2017
<i>Education event for the general public</i>	
LSU Museum of Natural Science Birdathon fundraiser	Apr 2017
<i>Coordinator</i>	
LSUMNS Special Saturdays – Birds & Beaks	Dec 2016
<i>Talks and activities about birds for 5-12 year old kids</i>	
Baton Rouge Westdale Middle School Family STEM night	Nov 2016
<i>Outreach to middle school kids for Museum of Natural Science</i>	
LSU Museum of Natural Science Birdathon fundraiser	Apr 2016
<i>Coordinator</i>	
LSUMNS 6 th Grade Day	Nov 2015
<i>Museum tours and outreach for local 6th grade students</i>	
LATM LSTA Conference	Nov 2015
<i>Outreach to local school teachers</i>	
LSU Museum of Natural Science Birdathon fundraiser	Apr 2015
<i>Team member</i>	

MUSEUM EXPEDITIONS

PERU; Ucayali lowlands, vic. Masisea	Aug - Sep 2019
<i>Joint LSUMZ/CORBIDI expedition (407 bird specimens)</i>	
UNITED STATES; Arizona (co-led with Matthew L. Brady)	Jul 2019
<i>LSUMZ expedition (131 bird specimens)</i>	
INDONESIA; central Sumatra	Feb – Apr 2018
<i>Joint LSUMZ/MZB expedition (278 bird & 450 mammal specimens)</i>	
BOLIVIA; Serrania Siberia and Chuquisaca	Jan 2018
<i>Joint LSUMZ/MHNNKM expedition (398 bird specimens)</i>	
UNITED STATES; Texas, Trans-Pecos region	May 2017
<i>LSUMZ expedition (206 bird specimens)</i>	
PERU; Cordillera Azul (expedition leader)	Sep – Oct 2016
<i>Joint LSUMZ/CORBIDI expedition (44 bird specimens)</i>	
PERU; Rio Huallaga	Jun – Jul 2016
<i>Joint LSUMZ/CORBIDI expedition (800 bird specimens)</i>	
EQUATORIAL GUINEA; Bioko Island and Oyala (co-led with Ryan S. Terrill)	Jan – Feb 2016
<i>Joint LSUMZ/KU expedition (363 bird specimens)</i>	

PERU; Cerros del Sira, Gran Pajonal, and upper Rio Ucayali (co-led with Glenn F. Seeholzer) Sep – Oct 2015
Joint LSUMZ/CORBIDI expedition (420 bird specimens)

PROFESSIONAL EXPERIENCE

Smithsonian Migratory Bird Center; Madison, Indiana Crew Leader; breeding demography of Wood Thrush	Apr 2014 – Aug 2014
Stanford University; San Vito, Costa Rica Lead Bird Bander; effects of coffee farms on bird diversity	Jan 2014 – Mar 2014
WEST, Inc.; Riverside County, California Field Biologist; Environmental impact surveys for solar farms	Aug 2013 – Dec 2013
Great Basin Bird Observatory; Lake Havasu City, Arizona Field Technician; Territory mapping of riparian breeding birds	Mar – Jun 2013
Kaua‘i Endangered Seabird Recovery Project; Hanapepe, Hawaii Endangered Seabird Field Assistant, Avian Research Technician; surveys of endangered seabirds	Mar 2011 – Oct 2012
Point Reyes Bird Observatory; Southeast Farallon Island, California Migratory Landbird Intern; banding and surveys of migratory birds	Aug – Oct 2010, Oct – Dec 2011
UC Santa Cruz – Croll Lab; Santa Cruz, California Volunteer; gull and raven surveys	Sep 2009 – Mar 2010
UC Santa Cruz – Gilbert Lab; Santa Cruz, California Volunteer; bird and mammal surveys on long-term ecological research plot	Apr 2009 – Jan 2010
Smithsonian Institution; Santa Cruz Island, California Field Assistant; banding and monitoring Island Scrub-Jays	Jun 2008
UC Santa Barbara; Fairbanks, Alaska Field Assistant; Experimental research on Yellow Warbler breeding biology	May – Jul 2007
Shearwater Journeys; central California Tour leader; Pelagic bird and whale tours	Aug 2006 – Aug 2010
Ventana Wilderness Society, Big Sur Ornithology Lab; Big Sur, California Conservation Ecology Intern, Bird Bander; long-term migration monitoring	May – Jul 2006
Christmas Bird Count; Niland, California Count Coordinator and Compiler	Dec 2005 – Dec 2014

CERTIFICATIONS

Wilderness First Responder – SOLO Schools International	Jun 2019
Adult and child CPR and AED – American Red Cross	Jul 2012, May 2015
Basic Helicopter and External Load Safety – IAT Course	Apr 2012
Wilderness First Aid – Wilderness Medical Training Center	Jun 2011

AFFILIATIONS AND MEMBERSHIPS

Member, Society of Systematic Biologists	2016 – present
Member, Neotropical Bird Club	2015 – present
Member, American Ornithological Society	2014 – present
Member, Western Field Ornithologists	2005 – present
Member, Louisiana Ornithological Society	2018 – 2022
Member, American Association for the Advancement of Science	2015 – 2021
Board of Directors, Central Valley Bird Club	Nov 2009 – Nov 2014

Member, Central Valley Bird Club
Committee Member, California Bird Records Committee
Member, American Birding Association

Nov 2004 – Nov 2014
Jan 2010 – Jan 2013
Sep 2004 – Sep 2008

TECHNICAL SKILLS

- Bioinformatics for processing high-throughput sequencing datasets
- Modern molecular wet lab techniques for phylogenetics
- Bird specimen collection and preparation
- Proficient in banding and processing songbirds, seabirds, and owls.
- Navigational skills: Can use 4WD, map, compass, and GPS.
- Familiar with mist nets, bal-chatri traps, Sherman traps, nest cameras, iButtons, telemetry techniques.
- Ability to identify all North American, Hawaiian, Mexican, Central American, Peruvian, and Caribbean bird species by sight, and most by sound.
- Basic knowledge of Californian and Hawaiian flora, mammals, reptiles, amphibians, and butterflies.
- Database management: familiar with Excel, Access, Filemaker, and ArcGIS.
- Capable of preparing bird and small mammal skins.