TIMOTHY F. WRIGHT

Department of Biology
New Mexico State University
Las Cruces, NM 88003

Phone: (575) 646-1136
Fax: (575) 646-4791
wright@nmsu.edu

EDUCATION

Ph.D. 1997 University of California, San Diego (Biology)
A.B. 1990 Dartmouth College, Hanover NH (*cum laude*, high honors in Biology)

ACADEMIC POSITIONS

2016- Professor
Biology Department, New Mexico State University
2017-18 Visiting Professor
Rockefeller University
2010-16 Associate Professor
Biology Department, New Mexico State University
2004-10 Assistant Professor
Biology Department, New Mexico State University
2002-04 Postdoctoral Fellow (with R. Fleischer and E. Morton)
Genetics Program, Smithsonian National Zoo and Museum of Natural History
2002 Adjunct Assistant Professor
Biology Department, Georgetown University
1997-01 Postdoctoral Fellow (with R. Dooling and G. Wilkinson)
Biology and Psychology Departments, University of Maryland
1990-97 Ph.D. Student (with J. Bradbury)
Biology Department, University of California San Diego
1987-89 Undergraduate Research Assistant (with C. Folt and D. Peart)
Biology Department, Dartmouth College

PUBLICATIONS

Books

Toft, C.A. and **T.F. Wright.** 2015. *Parrots of the Wild: A Natural History of the World's Most Captivating Birds*. University of California Press.

Peer Reviewed Papers and Chapters

72) Smith-Vidaurre, G., V. Perez, E.A. Hobson, A. Salinas-Melgoza & **T.F. Wright**. in review. Individual identity information persists in learned parrot calls after invasion. *PLOS Computational Biology*. Preprint submitted at EcoEvoRxiv https://ecoevorxiv.org/n79kc/.

71) Smith, B.T. J. Merwin, K. Provost, G. Thom, R.T. Brumfield, M. Ferreira, WM. Mauck III, R.G. Moyle, **T.F. Wright**, & L. Joseph. 2022. Phylogenomic analysis of the parrots of the world distinguishes artifactual from biological sources of gene tree discordance. *Systematic Biology.* Early online. doi.org/10.1093/sysbio/syac055.

70) Smeele, S.Q., D.A. Conde, A. Baudisch, S. Bruslund, A. Iwaniuk, J.Stärk, **T.F. Wright,** A.M. Young, M.B. McElreath, L. Aplin. 2022. Coevolution of brain size and longevity in parrots. *Proceedings of the Royal Society B.* 289: 20212397. doi.org/10.1098/rspb.2021.2397.

69) Ramos-Guivas B., J.M. Jawor & **T.F. Wright**. 2021 Seasonal variation in fecal glucocorticoid levels and their relationship to reproductive success in captive populations of an endangered parrot. *Diversity.* 13:617. doi.org/10.3390/d13120617. Invited for special issue: *Ecology and Conservation of Parrots in their Native and Non-Native Ranges.*

68) Campos, C.I., M.A. Martinez, D. Acosta, J.A. Diaz Luque, I. Berkunsky, N. Lamberski, J. Cruz, M.R. Russello & **T.F. Wright** 2021. Genetic diversity and population structure of two

endangered Neotropical parrots inform *in situ* and *ex situ* conservation strategies. *Diversity.* 13:386. doi.org/10.3390/d13080386. Invited for special issue: *Ecology and Conservation of Parrots in their Native and Non-Native Ranges.*

67) Gabor, C., S. Kivlin, J. Hua, N. Bickford, M Burford-Reiskind & **T.F. Wright**. 2021. Understanding organismal capacity to respond to anthropogenic change: Barriers and solutions. *Integrative & Comparative Biology.* Available early online. doi.org/10.1093/icb/icab162

66) Hellmich, D.L.; A.B.S. Saidenberg & **T.F. Wright**. 2021. Genetic, but not behavioral, evidence supports the distinctiveness of the mealy amazon parrot in the Brazilian Atlantic forest. *Diversity.* 13: 273. doi.org/10.3390/d13060273.Invited for special issue: *Ecology and Conservation of Parrots in their Native and Non-Native Ranges.*

65) Medina-García, A. & **T.F. Wright**. 2021. An integrative measure of cognitive performance, but not individual task performance, is linked to male reproductive output in budgerigars. *Scientific Reports.* 11:11775. doi.org/10.1038/s41598-021-91213-3.

64) Russello, M.A., G. Smith-Vidaurre & **T.F. Wright**. 2021. Genetics of invasive parrot populations. In *Naturalized Parrots of the World*. ed S. Pruett-Jones. Chicago Univ. Press.

63) Smith-Vidaurre, G., V. Perez-Marrufo & **T.F. Wright**. 2021. Individual vocal signatures show reduced complexity following invasion. *Animal Behaviour*. 179:15-39. doi.org/10.1016/j.anbehav.2021.06.020

62) **Wright, T.F.** & E.P. Derryberry. 2021. Defining the multidimensional phenotype: new opportunities to integrate the behavioral ecology and behavioral neuroscience of vocal learning, *Neuroscience and Biobehavioral Reviews.* 125:328-338. doi:10.1016/j.neubiorev.2021.02.022

61) Keen S.C., K. Odom, M.S. Webster, G.M. Kohn, **T.F. Wright,** & M. Araya-Salas. 2021. A machine learning approach for classifying and quantifying acoustic diversity. *Methods in Ecology and Evolution.* 12: 1213– 1225. doi.10.1111/2041-210X.13599.

60) Dupin, M.K., C.R. Dahlin & **T.F. Wright**. 2020. Range-wide population assessment of the endangered yellow-naped amazon (*Amazona auropalliata)*. *Diversity*. 12:377. doi.org/10.3390/d12100377. Invited for special issue: *Ecology and Conservation of Parrots in their Native and Non-Native Ranges.*

59) Smith-Vidaurre, G., M. Araya-Salas & **T. F. Wright**. 2020. Individual signatures outweigh social group identity in contact calls of the communally nesting monk parakeet. *Behavioural Ecology.* 31:448-459. doi.org/10.1093/beheco/arz202

58) Shuster, M. J. Curtiss, **T.F. Wright**, C. Champion, M. Sharifi, & J. Bosland. 2019. Implementing and evaluating a project-driven course-based undergraduate research experience (CURE) at a Hispanic-serving institution. *Interdisciplinary Journal of Problem-based Learning (IJPBL)*. 13:2. doi.org/10.7771/1541-5015.1806

57) Araya-Salas, M., G. Smith-Vidaurre, D.J. Mennill, P.L. González-Gómez, J. Cahill, & **T.F. Wright**. 2019. Social group signatures in hummingbird displays provide evidence of co-occurrence of vocal and visual learning*. Proceedings of the Royal Society B.*286: 20190666. doi.org/10.1098/rspb.2019.0666.

56) Tobin, C., A. Medina-García, G.M. Kohn, & **T.F. Wright**. 2019. Does audience affect the structure of warble song in budgerigars (*Melopsittacus undulatus*)? *Behavioural Processes.* 163:81-90. Invited for special issue on *Novel Perspectives on Avian Vocal Learning*. First available online 10/18/17. doi:10.1016/j.beproc.2017.10.007

55) **Wright, T.F.,** T.C. Lewis, M. Lezama-Lopéz, G. Smith-Vidaurre & C.R. Dahlin. 2019. Yellow-naped amazon *Amazona auropalliata*) populations are markedly low and rapidly declining in Costa Rica and Nicaragua. *Bird Conservation International.* 29:291-307. First available online 7/9/18. doi:10.1017/S0959270918000114

54) Dahlin, C.R., C. Blake, J. Rising & **T.F. Wright**. 2018. Long-term monitoring of nesting yellow-naped amazons, *Amazona auropalliata* in Costa Rica: breeding biology, vocal behavior and

the negative impact of poaching. *Journal of Field Ornithology.* 89:1-10. doi:10.1111/jofo.12240.

53) Araya-Salas, M., P. Gonzalez-Gomez, K. Wojczulanis-Jakubas, V. Lopez III & **T.F. Wright**. 2018. Spatial memory is as important as weapon and body size in predicting territorial ownership in a lekking hummingbird. *Scientific Reports.* 8:2001. doi:10.1038/s41598-018-20441-x

52) **Wright, T.F.** & C.R. Dahlin. 2017. Vocal dialects in parrots: patterns and process of cultural evolution. *Emu*. 118:50-66. Invited for special issue: *Recent Advances in the Conservation and Evolution of Parrots.* doi:10.1080/01584197.2017.1379356.

51) Medina-García, A., J.M. Jawor, & **T.F. Wright**. 2017. Testing consistency in cognition in budgerigars: linking cognition and personality. *Behavioral Ecology.* 28:1504–1516. doi:10.1093/beheco/arx116

50) Araya-Salas, M., K. Wojczulanis-Jakubas, E. Phillips, D.J. Mennill, **T.F. Wright.** 2017. To overlap or not to overlap: context dependent coordinated singing in lekking long-billed hermits. *Animal Behaviour.* 124:57-64. doi: 10.1016/j.anbehav.2016.12.003

49) Sewall, K., A.M. Young, & **T.F. Wright.** 2016. Social calls provide novel insights into the evolution of vocal learning. *Animal Behaviour.* 120:163-172. doi:10.1016/j.anbehav.2016.07.031

48) Eberhard, J.R. and **T.F. Wright**. 2016. Rearrangement and evolution of the mitochondrial genome in parrots*. Molecular Phylogenetics and Evolution.* 94:34–46. doi:10.1016/j.ympev.2015.08.011.

47) Ibarra, V. M. Araya-Salas, Y.-P. Tang, C. Park, A. Hyde, **T.F. Wright**, W. Tang. 2015. An RFID based smart feeder for hummingbirds. *Sensors*. 15:31751–31761. doi:10.3390/s151229886

46) Medina-García*, A., M. Araya-Salas* & **T.F. Wright**. 2015. Does vocal learning accelerate acoustic diversification? Evolution of contact calls in Neotropical parrots. *Journal of Evolutionary Biology.* 28:1782–1792. doi: 10.1111/jeb.12694
*both authors contributed equally to this work

45) Schweizer, M., **T.F. Wright**, E.E. Schirtzinger, J. Penalba & L. Joseph. 2015. Molecular phylogenetics suggests a New Guinean origin and frequent founder-event speciation events in the nectarivorous lories and lorikeets (Aves: Psittaciformes). *Molecular Phylogenetics and Evolution.* 90:34-48. doi:10.1016/j.ympev.2015.04.021.

44) Edelaar, P. S. Roques, S., E.A. Hobson, A. Gonçalves da Silva, M.A. Russello, M.L. Avery, J.C. Senar, **T.F. Wright**, M. Carrete, & J.L. Tella. 2015. Shared genetic diversity across the global invasive range of the monk parakeet suggests a common restricted geographic origin and the possibility of convergent selection. *Molecular Ecology*. 24:2164-2176. doi:10.1111/mec.13157

43) Hara, E., J.M. Perez, O. Whitney, Q. Chen, S.A. White & **T.F. Wright***.* 2015*.* Neural FoxP2 and FoxP1 expression in the budgerigar, an avian species with adult vocal learning *Behavioral Brain Research*.283:22-29. doi:10.1016/j.bbr.2015.01.017

42) Hobson, E.A., D.J. John, T.L. McIntosh, M.L. Avery, **T.F. Wright**. 2015. The effect of social context and social scale on the perception of relationships in monk parakeets. *Current Zoology.* 61:55-69.

41) Whitney, O., T. Voyles, E. Hara, Q. Chen, S.A. White & **T.F. Wright***.* 2015. Differential FoxP2 and FoxP1 expression in a vocal learning nucleus of the developing budgerigar. *Developmental Neurobiology.* 75:778-790. doi:10.1002/dneu.22247.

40) Hobson, E.A., M.L. Avery, & **T.F. Wright**. 2014. The socioecology of monk parakeets and implications for the study of social complexity. *Auk.* 131:756–775. doi:10.1642/AUK-14-14.1

39) Coffman, J.M., B.T. Bestelmeyer, J.F. Kelley, **T.F. Wright** & R.L. Schooley. 2014. Restoration practices have positive effects on breeding bird species of concern in the Chihuahuan Desert*. Restoration Ecology.* 22:336-344. doi:10.1111/rec.12081

38) Dahlin, C.R., A.M. Young, B. Cordier, R. Mundry & **T.F. Wright**. 2014. A test of multiple hypotheses for the function of call sharing in female budgerigars, *Melopsittacus undulatus*. *Behavioral Ecology and Sociobiology*. 68:145-161. doi:10.1007/s00265-013-1631-5.
37) Araya-Salas, M., & **T.F. Wright**. 2013. Open-ended song learning in a hummingbird. *Biology Letters.* 9:20130625. doi: 10.1098/rsbl.2013.0625
36) Schodde, R., J.V. Remsen Jr., E.E. Schirtzinger, L. Joseph & **T.F. Wright.** 2013. Higher classification of New World parrots (Psittaciformes; Arinae), with diagnoses of tribes. *Zootaxa* 3691: 591–596.
35) Remsen Jr., J.V., E.E. Schirtzinger, A. Ferraroni, L.F. Silveira & **T.F. Wright.** 2013. DNA-sequence data require revision of the parrot genus *Aratinga* (Aves: Psittacidae). *Zootaxa.* 3641: 296-300.
34) Salinas-Melgoza, A., V. Salinas-Melgoza & **T.F.Wright**. 2013. Behavioral plasticity of a threatened parrot in human-modified landscapes. *Biological Conservation.* 159:303-312. doi:10.1016/j.biocon.2012.12.013
33) Hobson, E.A., M. L. Avery, & **T.F. Wright**. 2013. An analytical framework for quantifying and testing patterns of temporal dynamics in social networks. *Animal Behaviour.* 85:83-96. doi:10.1016/j.anbehav.2012.10.010
32) Salinas-Melgoza, A. & **T.F. Wright**. 2012. Vocal learning and limited dispersal as dual mechanisms for dialect maintenance in a parrot. *PLOS One.* 7(11): e48667. doi:10.1371/journal.pone.0048667
31) Wenner, T.J., Russello, M.R, & **T.F. Wright**. 2012. Cryptic species in a Neotropical parrot: genetic variation within the *Amazona farinosa* species complex and its conservation implications. *Conservation Genetics*. 13:1427-1432. doi:10.1007/s10592-012-0364-8
30) Schirtzinger, E.E., E.S. Tavares, L.A. Gonzales, J.R. Eberhard, C.Y. Miyaki, J.J. Sanchez, A.J. Hernandez, H. Müeller, G.R. Graves, R.C. Fleischer, & **T.F. Wright.** 2012. Multiple independent origins of mitochondrial control region duplications in the Order Psittaciformes. *Molecular Phylogenetics and Evolution.* 64: 342-356. DOI:10.1016/j.ympev.2012.04.009
29) Pease, S.M., A. Salinas-Melgoza, P. Escalante, K. Renton & **T.F. Wright**. 2012. Offspring sex ratios in the lilac-crowned parrot (*Amazona finschi*). *Wilson Journal of Ornithology.* 124:393-396. doi:10.1676/11-139.1
28) Kirchman, J.J., E.E. Schirzinger, & **T.F. Wright.** 2012. Phylogenetic relationships of the extinct Carolina parakeet (*Conuropsis carolinensis*) inferred from DNA sequence data. *Auk*. 129:197-204. doi.org/10.1525/auk.2012.11259
Appeared as Rapid Communication and on the cover of April, 2012 issue.
27) Dahlin, C.R. & **T.F. Wright**. 2012. Does syntax contribute to the function of duets in a parrot, *Amazona auropalliata*? *Animal Cognition.* 15:647-656. doi: 10.1007/s10071-012-0493-y
26) Young, A.M., E.A. Hobson, L.B. Lackey & **T.F. Wright.** 2012. Survival on the ark: life history trends in captive parrots. *Animal Conservation*. 15:28-43. doi:10.1111/j.1469-1795.2011.00477.x. Erratum published Aug 2012. doi:10.1111/acv.12072
25) Joseph, L., A. Toon, E. Schirtzinger, **T.F. Wright**, & R. Schodde. 2012. A revised nomenclature and classification for family-group taxa of parrots (Psittaciformes). *Zootaxa.* 3205:26-40.
24) Dahlin, C.R. & **T.F. Wright**. 2012. Duet function in the yellow-naped amazon, *Amazona auropalliata*: evidence from playbacks of duets and solos. *Ethology.* 118:95-105. doi.org/10.1111/j.1439-0310.2011.01988.x
23) Joseph L., A. Toon, E.S. Schirtzinger & **T.F. Wright**. 2011. Molecular systematics of two enigmatic genera *Psittacella* and *Pezoporus* illuminate the ecological radiation of Australo-Papuan parrots (Aves: Psittaciformes). *Molecular Phylogenetics & Evolution.*59: 675-684. doi:10.1016/j.ympev.2011.03.017
22) **Wright*, T.F.**, J.R. Eberhard*, E.A. Hobson, M.L. Avery & M.R. Russello. 2010. Behavioral flexibility and species invasions: the adaptive flexibility hypothesis. *Ethology Ecology & Evolution.* 22:393-404. doi.org/10.1080/03949370.2010.505580
*both authors contributed equally to this work

21) da Silva Goncalves, A., J.R. Eberhard, **T.F. Wright,** M.L. Avery & M.A. Russello. 2010. Genetic evidence for high propagule pressure and long distance dispersal in monk parakeet (*Myiopsitta monachus*) invasive populations. *Molecular Ecology*. 19:3336-3350. doi.org/10.1111/j.1365-294X.2010.04749.x
20) Dahlin, C.R. & **T.F. Wright.** 2009. Duets in yellow-naped amazons: variation in syntax, note composition and phonology at different levels of social organization. *Ethology.*115:857-871. doi.org/10.1111/j.1439-0310.2009.01669.x
19) Guerra, J. E., J. Cruz-Nieto, S.G. Ortiz-Maciel & **T.F. Wright**. 2008. Geographic variation in the contact calls of the thick-billed parrot**.** *Condor*. 110:639-647. doi.org/10.1525/cond.2008.8609
18) **Wright, T.F.**, E.E. Schirtzinger, T. Matsumoto, J.R. Eberhard, G.R. Graves, J.J. Sanchez, S. Capelli, H. Müller, J. Scharpegge, G.K. Chambers and R.C. Fleischer. 2008. A multi-locus molecular phylogeny of the parrots (Psittaciformes): Support for a Gondwanan origin during the Cretaceous. *Molecular Biology and Evolution*. 25:2141-2156. doi.org/10.1093/molbev/msn160
17) **Wright, T.F.,** C.R. Dahlin, A. Salinas-Melgoza. 2008. Stability and change in vocal dialects of the yellow-naped amazon. *Animal Behaviour.* 76:1017-1027. doi:10.1016/j.anbehav.2008.03.025
16) Russello, M.A., M.L. Avery, & **T.F. Wright.** 2008. Genetic evidence links invasive monk parakeet populations in the United States to the international pet trade. *BMC Evolutionary Biology*, 8:217. doi:10.1186/1471-2148-8-217
15) **Wright, T.F.** & C.R. Dahlin. 2007. Pair duets in the yellow-naped amazon (*Amazona auropalliata*): phonology and syntax. *Behaviour.* 144:207-228.
14) Kongrit, C.C. Siripunkaw, W.Y. Brockelman, V. Akkarapatumwong, **T.F. Wright,** L.S. Eggert. 2007. Isolation and characterization of dinucleotide microsatellite loci in the Asian elephant (*Elephas maximus*). *Molecular Ecology Notes.* doi:10.1111/j.1471-8286.2007.01916.x
13) **Wright, T.F.**, A.M. Rodriguez & R.C. Fleischer. 2005. Vocal dialects, sex-biased dispersal and microsatellite population structure in the parrot *Amazona auropalliata*. *Molecular Ecology*. 14:1197-1205.
12) **Wright, T.F.**, E. F. Brittan-Powell, R. J. Dooling, & P. C. Mundinger. 2004. Sex-linkage of hearing and song in the Belgian Waterslager canary. *Proceedings of the Royal Society of London B* (Suppl. *Biology Letters*) 271:S409-S412*.*
11) **Wright, T.F.**, Johns, P.M., Lerner, A.P., Walters J.R., & G.S. Wilkinson. 2004. Microsatellite variation among divergent populations of stalk-eyed flies, genus *Cyrtodiopsis. Genetical Research* 84: 27-40.
10) Lohr, B., **T.F. Wright**, & R. J. Dooling. 2003. Detection and discrimination of natural calls in masking noise by birds: estimating the active space of a signal. *Animal Behaviour.*65:763-777.
9) **Wright, T.F.**, K.A. Cortopassi, J.W. Bradbury & R. J. Dooling. 2003. Hearing and vocalizations in the orange-fronted conure, *Aratinga canicularis*. *Journal of Comparative Psychology.*117:87-95.
8) South, J. & **T.F. Wright**. 2002. Nestling sex ratios in the yellow-naped amazon: no evidence for adaptive modification. *Condor.* 104:437-440.
7) **Wright, T.F**. & G.S. Wilkinson. 2001. Population genetic structure and vocal dialects in an amazon parrot. *Proceedings of the Royal Society of London* B. 268:609-616.
6) **Wright, T.F.** & M. Dorin. 2001. Pair duets in the yellow-naped amazon (*Amazona auropalliata*): responses to playbacks of different dialects. *Ethology.* 107:111-124.
5) Eberhard*, J. R., **T.F. Wright*** & E. Bermingham. 2001. Duplication and concerted evolution of the mitochondrial control region in the parrot genus *Amazona*. *Molecular Biology and Evolution*. 18:1330-1342*.* *co-first authors
4) **Wright, T.F.**, C.A. Toft , E. Enkerlin-Hoeflich, J. Gonzalez-Elizondo, M. Albornoz, A. Rodríguez-Ferraro, F. Rojas-Suárez, V. Sanz, A. Trujillo, S.R. Beissinger, V. Berovides A., X. Gálvez

A., A.T. Brice, K. Joyner, J.R. Eberhard, J. Gilardi, S.E. Koenig, S. Stoleson, P. Martuscelli, J.M. Meyers, K. Renton, A.M. Rodríguez, A.C. Sosa-Asanza, F.J. Vilella, & J.W. Wiley. 2001. Nest poaching in Neotropical parrots. *Conservation Biology*. 15:710-720.

3) **Wright, T.F.** 1996. Regional dialects in the contact call of a parrot. *Proceedings of the Royal Society of London* B. 263:867-872. doi:10.1098/rspb.1996.0128

2) Upton, S.J., T.A. Langen, & **T.F. Wright**. 1995. A new species of *Isospora* Schneider, 1881 (Apicomplexa: Eimeriidae) from the white-throated magpie jay, *Calocitta formosa* (Passeriformes: Corvidae) from Costa Rica. *Systematic Parasitology.* 31:195-199.

1) Upton, S.J., & **T.F. Wright**. 1994. A new species of *Eimeria* (Apicomplexa) from the orange-fronted conure, *Aratinga canicularis* (Psittaciformes), in Costa Rica. *Acta Protozoologica*. 33:117-119.

Manuscripts in Preparation

Wright, T.F., M. Araya-Salas, A. Villalba, A.Schmidt, J. Apodaca & J.M. Jawor. In prep. Chronic stress impacts vocal production and learning in an open-ended learner, the budgerigar.

Desmond, M. C. Arthur, A. Salas, J. Faire, & **T.F. Wright**. in prep. Mass mortality of migratory songbirds in New Mexico following an extreme weather event.

Dahlin, C.R., G. Smith-Vidaurre, D.L. Hellmich, M.K. Dupin, K. Eckley **T.F. Wright.** in prep. Severe population decline drives cultural disruption in an Amazon parrot.

Kohn*, G.M., E. Hara*, A.M. Young*, M. Araya Salas, O. Whitney, E. Lucero, C. R. Dahlin, S.A. White & **T.F. Wright**. in prep. Social and neurogenetic components of persistent vocal plasticity. * authors contributed equally to this work

Book Chapters and Conservation Documents

Thomas, J., B.D. Peer O.N. Larsen & **T.F. Wright**. in prep. Bioacoustical studies in terrestrial birds. in *Exploring Animal Behavior through Sounds Vol II* (C. Erbe & J. Thomas ed). Springer-Verlag.

Salinas-Melgoza, A., K. Renton, T. F. Wright, A. C. Montes-Medina. 2014. Principios de comunicación acústica en aves a diferentes niveles de organización social. In *Biología del Comportamiento: Aportaciones desde la Fisiología*, eds. M. Martínez-Gómez, R. A. Lucio & J. Rodriguéz-Antolín. Universidad Autonoma de Tlaxcala Tlaxcala, Mexico.

Graham, J.E., **T.F. Wright**, J. Ruediger & R.J. Dooling. 2006. Sensory capacities of parrots. pp. 33-41 in *Manual of Parrot Behavior* (ed. A. Luescher). Blackwell Publishing: Ames, IA.

Renton, K. & **T.F. Wright.** 2002.Transfer of Yellow-naped Amazon *Amazona auropalliata* from Appendix II to Appendix I. for IUCN-Traffic. Proponent: Costa Rica. CoP 12 Prop. 16. Analyses of the proposals to amend the CITES appendices for COP12.

Wright, T.F., D.K. Styles, & C.A. Toft. 2000. Commentary by the Association for Parrot Conservation on the proposal for the sustainable harvest of the blue-fronted amazon (*Amazona aestiva*) in Argentina. Submitted to the US Fish and Wildlife Service.

Popular Articles, Perspectives and Book Reviews

Smith-Vidaurre, G. & **T.F. Wright.** 2022. Script for Ted Ed animated short film *Why can parrots talk?* https://www.youtube.com/watch?v=1EYUhpimyxc. [779,557 views, 29k likes and 827 comments after 3 months]

White, S.A. & **T.F. Wright.** 2021. Commentary: Why zebra finches don't get hypercholesterolemia. *Proceedings of the National Academy of Sciences U.S.A.* 118:e2107021118. doi.org/10.1073/pnas.2107021118.

Wright, T.F. 2019. In Focus: Swift declines predicted following mating system changes driven by an introduced predator. *Journal of Animal Ecology*. 88:498-501. Doi.org/10.1111/1365-2656.12969.

Wright, T. F. 2018. Review of *Vanished and Vanishing Parrots: Profiling Extinct and Endangered Species* by J.M. Forshaw, with illustrations by F. Knight. *Condor* 120: 889–890.

Wright, T.F. & C.R. Dahlin (eds) with D. Hellmich. 2016. Notes from an expedition: adventures studying the yellow-naped amazons of Costa Rica and Nicaragua. *Psittascene*.
Wright, T.F. & M.A. Russello. 2014. What's in a name? Taxonomy and parrot conservation. *Psittascene.* June 4-8.
Wright, T.F. 2014. Something old, something new. An *In Focus* piece on a paper by Greig and Webster *Animal Behaviour* 88:iii-iv. doi.org/10.1016/j.anbehav.2013.12.026
Wright, T.F. 2013. All stressed out. An *In Focus* piece on a paper by Schmidt et al. *Animal Behavior*. 86:1-2. doi.org/10.1016/j.anbehav.2013.05.032.
Wright, T.F. and E.E. Schirtzinger. 2009. Twenty questions about the parrot family tree. *Psittascene.*May: 8-11.
Wright, T.F. 2006. Review of *The Evolution of Animal Communication: Reliability and Deception in Signaling Systems* by W.A. Searcy and S. Nowicki. *Condor* 108:989-990.
Wright, T.F. 2006. Review of *The Carolina Parakeet: Glimpses of a Vanished Species* by N.R.F. Snyder. *Auk* 123:291-292.
Wright, T.F. & C.A. Toft. 2001. Nest poaching and the plight of Neotropical parrots. *Psittascene.* 13:6.
Wright, T.F. 1997. Vocal communication in wild populations of the yellow-naped amazon (*Amazona auropalliata*). *American Federation of Aviculture Convention Proceedings*.
Wright, T.F. 1996. Vocal communication in the yellow-naped amazon in Costa Rica. *Exotic Bird Report*. 8:2-4. (reprinted in *The Amazona Quarterly*, Spring 1997)
Wright, T.F. 1995. La lora de copete 7ittate7: comportamiento y conservación. *Rothschildia* 2:9-11

Web-based Documents
Bradbury, J., **Wright, T.F.** and Cortopassi K.A. Parrots of the Area de Conservación Guanacaste, Costa Rica. http://www.acguanacaste.ac.cr/loras_acg/parrots.home.html.
Wright, T.F. Research webpage. https://wrightbehaviorlab.org/.

AWARDS, HONORS AND FELLOWSHIPS

2018 Research Discovery Award, Chancellor's Office, NMSU
2017 Distinguished Career Award, University Research Council, NMSU
2015 S.P. and Margaret Manasse Scholar Award, NMSU
2015 Donald C. Roush Award for Teaching Excellence, NMSU
2011 Fellow, American Ornithologists Union
2011 USDA National Wildlife Research Center Outstanding Research Publication Award (for Goncalves da Silva et al (2010) paper in *Molecular Ecology*)
2009 Invited Member, UCSD/Salk Center for Research in Anthropogeny
2005 Elective Member, American Ornithologists Union
2003-04 Robinson Postdoctoral Fellowship, Friends of the National Zoo
2002-03 Smithsonian Postdoctoral Fellowship, National Museum of Natural History
1999-01 NIH NRSA Postdoctoral Fellowship, Psychology Department, UMD
1998-9 Postdoctoral Fellow, NSF Training Grant in the Biology of Small Populations, UMD
1997-8 Postdoctoral Fellow, NIH Training Grant in Evolutionary Biology of Hearing, UMD
1991-96 Graduate Trainee, NIH Training Grant in Genetics, Biology Department, UCSD
1993 Excellence in Teaching Award, Biology Department, UCSD ($100)
1990-91 Achievement Rewards for College Scientists (ARCS) Foundation Fellow, UCSD

GRANTS

Federal Grants

NIH R21 1R21NS126079 (PI) 9/1/22 to 8/31/24 $412,519
Neurogenetic mechanisms underlying effects of chronic stress on vocal learning in adults and juveniles

NIH C06 1C06OD032035 (Scientific Director) 9/19/22 to 5/31/27 $7,084,640
A New Biomedical Research Vivarium at a Hispanic-serving Institution on the US-Mexico Border

USDA NIFA HSI 2022-77040-37638 (PI) 9/1/22 to 8/31/26 $270,119
Prepping for Disaster Ecology: HSI-based training for managing climate change impacts on migratory birds

NIH NM-INBRE P20GM103451 (Subproj PI) 4/5/21 to 3/31/22 $25,000
Effects of aging on vocal learning and underlying neural gene expression

NIH NM-INBRE P20GM103451 (Subproj PI) 8/15/19 to 3/31/20 $25,000
Effects of chronic stress on adult vocal learning and social integration

NIH SC1 9SC1GM112582 (PI) 8/15/15-7/31/19 (NCE to 7/21) $1,125,660
Role of FoxP2 in neural plasticity subserving adult vocal learning and social integration

NIH NM-INBRE P20GM103451 (Subproj PI) 6/15/14-3/31/15 $25,000
FOCUS project: Effects of alcohol consumption on gene networks subserving adult vocal learning

NIH SC1 SC1HD068128 (PI) 5/2010-5/2014 $1,018,087
The role of stress and FoxP2 in adult vocal learning: tests using a parrot model

NSF RIG 0725032 (PI) 9/2007-2/2011 $180,297
Dispersal, vocal convergence and the maintenance of vocal dialects

NIH SCORE GM003136-33 (Subproj PI) 6/2006 – 5/2008 $236,656
Longevity and mitochondrial control region duplications

Other Grants

Parrot Action Grant, World Parrot Trust (PI) 11/2019-7/2021 $11,650
Assessment of genetic variability in captive and wild populations of the critically endangered blue-throated macaw and other endangered parrot species (with M. Russello)

Parrot Action Grant, World Parrot Trust (PI) 4/2018-3/2020 $16,400
Range-wide population status, threats and trends for the yellow-naped amazon, Amazona auropalliata (with C. Dahlin and M. Dupin)

Parrot Action Grant, World Parrot Trust (PI) 8/2017-7/2019 $11,000
Further assessment of genetic variability in captive and wild populations of the critically endangered blue-throated macaw (with M. Russello)

Parrot Action Grant, World Parrot Trust (PI) 8/2015-12/2016 $3,520
Assessment of genetic variability in captive and wild populations of the critically endangered blue-throated macaw (with M. Russello and J.L. Tella)

Parrot Action Grant, World Parrot Trust (PI) 12/2014-8/2018 **$**12,500
Assessing breeding potential in the endangered Puerto Rican parrot (Amazona 8ittate) to enhance reintroductions (with B. Ramos and S. Carleton, initial grant 12/2014, renewed 3/2016 and 3/2018)

NMSU Research Initiation Grant 8/2013-8/2014 $28,965
Development and deployment of RFID-based systems to study display performance of hummingbirds in Costa Rica (with W. Tang and M. Araya-Salas)

National Geographic Society, CRE (PI) 11/2012 – 12/2013 $19,212
Vocal and visual dialects in a hummingbird (w/ M. Araya-Salas, D. Mennill, & P. Gonzalez-Gomez)

NMSU Arts & Sciences Minigrant 12/2011-12/2012 $1,997
Visual and vocal learning in a hummingbird species

Parrot Action Grant, World Parrot Trust (PI) 1/2011-12/2011 $2,500
Cryptic species and conservation status of Amazona farinosa

Los Alamos National Lab-NMSU MOU (PI) 1/2009-12/2010 $135,000
A GIS telemetry animal tracking system: filling the critical knowledge gap in avian migration and avian influenza distribution (w/ K. Hanley and J. Fair)

Parrot Action Grant, World Parrot Trust (PI) 3/2009-8/2010 $4,000
Assessment of the genetic variability of wild and captive populations of the endangered thick-billed parrot

NMSU Arts & Sciences Minigrant 12/2009-5/2010 $2,000
Social disruption, stress and vocal learning

Parrot Action Grant, World Parrot Trust (PI) 2/2007-6/2009 $6,000
An integrated parrot conservation and education project in Guanacaste, Costa Rica

Grants for Conservation Biology, T&E Inc. 6/2006-5/2008 $5,462
Vocal and genetic variation among breeding populations of the endangered thick-billed parrot (Rhynchopsitta pachyrhyncha) in the Sierra Madre Occidental, México

NMSU Arts & Sciences Minigrant 5/2005-9/2005 $1,690
Temporal stability in dialects of the yellow-naped amazon

Postdoctoral and Student Research Grants

1997-2004 Postdoctoral research grants from the National Geographic Society, American Philosophical Society, Smithsonian Institution, and UMD Graduate Research Board (total $35,675)

1992-96 Graduate student research and travel grants from The Explorers Club, Chapman Fund of the American Museum of Natural History, Los Angeles Audubon Society, Animal Behavior Society, International Society for Behavioral Ecology and Sigma Xi (total $5735)

1989 Undergraduate student research grants from the Andrew W. Mellon Foundation ($3018)

PRESENTATIONS

Invited seminars, talks and workshops

2021 **Texas A&M University**
Cornell University
Babel's birds: functions and mechanisms of vocal plasticity in parrots
New England College
Parrots: what can they teach us about vocal learning, behavioral plasticity, and how to survive in a rapidly changing world?

2020 **Northern New Mexico College**
Parrots: what can they teach us about vocal learning, behavioral plasticity, and how to survive in a rapidly changing world?
University of Vienna

Max Planck Institute for Animal Behavior
Babel's birds: functions and mechanisms of vocal plasticity in parrots

2019 **University Research Council, NMSU**
Parrots: what can they teach us about vocal learning, behavioral plasticity, and how to survive in a rapidly changing world?, introduction to symposium *The Wright Way to Do Science*

2018 **University Research Council, NMSU**
Recent advances in a complex topic: How and why do birds learn vocalizations?

2017 **Dept. Biology, University of Massachusetts, Amherst**
Dept. Biology, City College, CUNY
Universidad de la Republica, Montevideo, Uruguay
Bolivian Parrots Conservation Foundation, Santa Cruz, Bolivia (in Spanish)
Babel's birds: functions and mechanisms of vocal plasticity in parrots

2016 **Teaching Academy, NMSU**
Science for the masses: introducing authentic research experiences to early career undergraduates

2015 **NM-INBRE Annual Meeting, Santa Fe, NM**
The role of FoxP2 *in adult vocal learning*

2014 **Dept. Biological Sciences, University of Windsor**
Dept. Biology, University of New Mexico
Babel's birds: vocal learning in parrots and hummingbirds

2013 **International Bioacoustics Congress XXIV, Pirenópolis, Brazil**
Workshop on Phylogenetic Approaches to the Study of Acoustic Signals
(co-organized with J. Price and M. Araya-Salas)
La Selva Biological Station, Organization for Tropical Studies, Costa Rica
Babel in the bosque: vocal learning in wild and captive parrots

2012 **Psychology Dept, New Mexico State University**
Biology Dept, New Mexico State University
How to be smart, popular, well-spoken and live forever: lessons from parrots
Neuroscience Program, Anschutz Medical Center, University of Colorado, Denver
Babel's birds: vocal learning in wild and captive parrots

2011 **Neurobiology, Physiology & Behavior, University of California, Davis**
Animal Behavior, University of California, Los Angeles
Babel's birds: vocal learning in wild and captive parrots
Grass Lab, Marine Biological Lab, Woods Hole
Vocal learning in parrots: the Why and the How

2010 **Estación Biológica de Doñana, Seville, Spain**
Psychology Dept., Hunter College, CUNY
Babel's birds: vocal learning in wild parrots

2009 **University of California, San Diego-Symposium on Human and Non-Human Cultures.** *The Psittacine diaspora: vocal dialects in wild parrots* and
Babel's bird: avian vocal traditions and their functional significance

2008 **Biology Dept, University of Cincinnati**
Babel's birds: Evolution of vocal diversity in Neotropical parrots

2006 **Animal Behavior Society-Symposium on Signal and Sensory Evolution.**
Sources of selection on acoustic signal structure: a comparative analysis of the contact calls of Neotropical parrots
Biology Dept, Washington State University.
Not just parroting: dialects and duets in the yellow-naped amazon of Costa Rica, and
Parrot conservation in 2006: Successes and challenges

2005 **Wilson Ornithological Society-Fetschrift for Eugene Morton.**
The signal design of pair duets: does structure relate to function?

NMSU Fisheries and Wildlife Dept. *Not just parroting: dialects and duets in the yellow-naped amazon of Costa Rica*

1997-2004 **Ten invited seminars** at Smithsonian National Museum of Natural History, New Mexico State University, Catholic University of America, University of Texas-Austin, Smithsonian National Zoo, University of Pennsylvania, Princeton University, University of Maryland, Johns Hopkins University, and College of William and Mary.

Meeting Abstracts (2005-22, selected from >80 total, [a]contributing author, [b]undergraduate)

Wright[a], T.F. M. Araya-Salas, A. Villalba, J. Apodaca, J. M. Jawor. 2022. Chronic stress impacts vocal plasticity and learning in adult budgerigars. Animal Behavior Society Meeting, San Jose, Costa Rica.

Villalba[a], A. C. Draney[b], J. Apodaca, A. Schmidt[b], J.M. Jawor, **T.F. Wright**.2022. Effects of chronic stress on neural gene expression and the physiological stress response in budgerigars. Society for Integrative and Comparative Biology Meetings, Phoenix, AZ.

Moussaoui[a], B. S. Overcashier[b], **T.F. Wright**. 2022. Effects of aging on adult vocal learning and social integration. Society for Integrative and Comparative Biology Meetings, Phoenix, AZ.

Ramos-Guivas[a], B, J.M. Jawor, **T.F. Wright** 2020**.** Glucocorticoids and reproductive success in captive Puerto Rican Parrot (*Amazona vittata*). Society for Integrative and Comparative Biology Meetings, Austin, TX.

Hellmich[a], D., **T.F. Wright 2020.** Mapping the contact call variation of urban invasive parrots as a model for understanding vocal dialects formation. Society for Integrative and Comparative Biology Meetings, Austin, TX.

Wright[a],T.F., G.M. Kohn, M. Araya Salas, J. Apodaca, S. Strebe[b], S.A. White 2019. Experimental evidence for FoxP2's key role in maintaining lifelong vocal learning in budgerigars. Birdsong Meeting, Millbrook, NY.

Smith-Vidaurre[a], G., M. Araya Salas, **T. F. Wright.** 2019. Social information differs among contact calls of three vocal learning species. Animal Behavior Society Annual Meetings, Chicago, IL.

Campos[a,b], C. I., A. Martinez[b], M.A. Russello, **T.F. Wright.** 2019. Genetic structure and diversity in wild and captive populations of the critically endangered blue-throated macaw (*Ara glaucogularis)*. Society for Integrative and Comparative Biology Meetings, Tampa, FL.

Wright[a], T.F. & E.P. Derryberry. 2018. One trait or many: reexamining the multidimensional nature of vocal learning**.** Animal Behavior Society Annual Meetings, Milwaukee, WI.

Hansen, C., G. Kohn, A. Medina-Garcia, **T.F. Wright.** 2018. Social networks and call sharing in budgerigar flocks. American Ornithological Society, Tucson, AZ.

Wright[a], T.F., E. Hara, O. Whitney, E. Lucero[b], J. Apodaca[b], C. Dahlin & M. Araya-Salas. 2017. Hardwired for plasticity? The role of *FoxP2* in maintaining vocal plasticity in the budgerigar. Society for Integrative and Comparative Biology Annual Meetings, New Orleans, LA.

Ramirez[b]**,** A.F., G. Smith-Vidaurre, **T.F. Wright.** 2017. Population genetics and intra-specific aggression in urban and rural colonies of the rough harvester ant, *Pogonomyrmex rugosus.* Society for Integrative and Comparative Biology Annual Meetings, New Orleans, LA.

A. Medina Garcia[a], J.M. Jawor, **T.F. Wright.** 2016. Bright or bold? Personality but not stress, affects responsiveness in cognitive tasks in budgerigars. Animal Behavior Society Annual Meeting, Columbus MO.

1993-2004 Contributed 16 abstracts to national and international meetings.

TEACHING

Fa 2022	Zoology	BIOL322
Sp 2022	*Animal Communication*	BIOL484
Fa 2021	*Guided Biological Research Lab*	BIOL 309
Sp 2021	*Science and Ethics*	BIOL 540
Fa 2020	*Biology Honors Thesis/Graduate Scientific Writing*	BIOL 402/550
	Speciation and Adaptation	BIOL 589

Sp 2020	*Animal Communication*	BIOL 484
Fa 2019	*Biology Honors Thesis/Graduate Scientific Writing*	BIOL 402/550
Sp 2019	*Animal Behavior*	BIOL 480
	Tropical Field Ecology (foreign study in Costa Rica)	BIOL 405/550
	BEEST (Seminar in Behav-Ecol-Evol-Syst-Taxon)	BIOL 450/550
Fa 2018	*Biology Honors Thesis/Graduate Scientific Writing*	BIOL 402/550
Sp 2018	*Speciation and Adaptation*	BIOL 550
Sp 2017	*Animal Communication*	BIOL 484
Fa 2016	*Guided Biological Research Lab*	BIOL 309
Sp 2016	*Animal Behavior*	BIOL 480
Fa 2015	*Guided Biological Research Lab*	BIOL 350
Sp 2015	*Guided Biological Research Lab (new course for HHMI)*	BIOL 350
Fa 2014	*Animal Communication*	BIOL 484
Sp 2014	*Tropical Field Ecology (foreign study in Costa Rica)*	BIOL 405/550
	BEEST (Seminar in Behav-Ecol-Evol-Syst-Taxon)	BIOL 405/550
Fa 2013	*Biology Honors Thesis (HHMI Undergrad Scholars)*	BIOL 402
	Zoology	BIOL 322
Fa 2012	*Animal Communication*	BIOL 484
	Zoology	BIOL 322
Sp 2012	*Human Biology (non-majors intro biology)*	BIOL 101
Fa 2010	*Natural History of Life (intro organismal biology)*	BIOL 111 (2 secs)
Sp 2010	*Tropical Field Ecology (foreign study in Belize)*	BIOL 450/550
	[Video on Belize field course at http://www.youtube.com/watch?v=gfCNQU8tFNU]	
Fa 2009	*Biology Honors Thesis (HHMI Undergrad Scholars)*	BIOL 402
	Zoology	BIOL 322
Sp 2009	*Behavioral and Evolutionary Ecology (grad)*	BIOL 450/550
Fa 2008	*Biology Honors Thesis (HHMI Undergrad Scholars)*	BIOL 402
	Zoology	BIOL 322
Sp 2008	*Animal Behavior*	BIOL 439
Fa 2007	*Behavioral Ecology*	BIOL 587
Sp 2007	*Animal Communication*	BIOL 584
Fa 2006	*Zoology*	BIOL 322
Sp 2006	*Animal Behavior*	BIOL 439
Fa 2005	*Zoology*	BIOL 322
	Behavioral Ecology (grad)	BIOL 587
Fa 2004	*Animal Communication*	BIOL 450/550
Sp 2002	*Animal Communication*, visiting instructor, Georgetown University	
Sp 2000	*DNA Sequencing Techniques*, 2 wk workshop, University of Maryland	
Sp 1998	*Evolution of Animal Behavior*, co-instructor with G. Wilkinson, UMD	
1992-96	*Evolution, Animal Communication, Sociobiology Lab, Plant Ecology, Introductory Organismal and Evolutionary Biology;* teaching assistant in Biology, UCSD	

MENTORING

Postdoctoral researchers

Postdoc	Tenure	Current Position
Christine Dahlin	2010-2011	Assoc Prof, Biology, U. Pittsburgh Johnstown
Anna Young	2011-2012	Assoc Prof, Biology & Earth Sci, Otterbein U.
Erina Hara	2012-2014	Research Scientist, CUNY School of Medicine
Osceola Whitney†	2012-2014	Asst Prof, Neuroscience, City College NY
Greg Kohn	2017-2019	Asst Prof, Psychology, U. North Florida
Greg Gedman†	2021-	NSF Postdoctoral Research Fellow, NMSU & UCLA

†underrepresented minority

Graduate Students

Student	Degree	Graduation	Current Position
Christine Dahlin	PhD	2010	Assoc Prof, U. Pittsburgh Johnstown
Anna Young	PhD	2011	Assoc Prof, Otterbein U.
John Coffman (w/ B. Bestelmeyer)	MS	2011	Biologist, Nature Conservancy
Theodore Wenner nonthesis	MS	2011	
Erin Schirtzinger	PhD	2011	Postdoc, Kansas St U.
Alejandro Salinas-Melgoza†	PhD	2011	Assoc. Prof, U. Michoacana de San Nicolás de Hidalgo Mexico
Elizabeth Hobson	PhD	2013	Asst. Prof, Biology, U. Cincinnati
Marcelo Araya Salas†	PhD	2015	Postdoc, U. Costa Rica
Angela Medina Garcia†	PhD	2017	Statistician, WEST Inc.
Grace Smith Viduarre†	PhD	2020	NSF Postdoc, Rockefeller U. & U. Cincinnati
Molly Dupin	MS	2020	applying to PhD programs
Andrew Lawrence	PhD	2022	Wildlife Ecologist, CSU (CEMML)
Brian Ramos†	PhD	exp 2022	
Dominique Hellmich	PhD	exp 2022	
Bushra Moussaoui	MS	exp 2022	
Alondra Villalba†	PhD	exp 2025	
Dylan Osterhaus (w/ M.Desmond)	PhD	exp 2026	
Scott Boyle (w/ J.Cain)	PhD	exp 2024	
Alexander Allison	MS	exp 2024	

†underrepresented minority and/or Latin American

2004-21 Have served on 34 graduate committees at NMSU in Biology, Fish and Wildlife Sciences, Anthropology, Psychology, Applied Statistics and Molecular Biology

2012-21 Have served as external dissertation examiner or PhD committee member for 7 PhD students in Canada, Australia, New Zealand, Austria and Germany

Undergraduate Students (research scholars)

Student	Program	Graduation	Current Position
Jaime Guerra†	RISE	2008	Research tech, NM Consortium
Jennifer Currier	HHMI	2008	Research assistant, Brown Univ
Daniel Acosta†	HHMI	2010	Program planner, Blue Origin, Seattle
Darlene John†	RISE	2010	
Shannon Pease	HHMI	2011	DVM, Albuquerque NM
Esteban Lucero†	BRAiN	2014	PhD student, U. Colorado Denver-AMC
Jemima Perez†	RISE	2015	Lab microbiologist, F&A Dairy, Las Cruces
Tawni Voyles	HHMI	2015	Lab manager, Duke Univ.
Cole Torbin	HHMI	2015	PhD student, Anthropology, U Missouri
Melinda Martinez†	NRCT	2016	Wildlife biologist, USFWS
Aldo Ramirez†	HHMI	2017	Lab microbiologist, Leprino Foods, Roswell
Clara Hansen	HHMI	2018	Veterinary school, Colorado St. U
Monica Muñoz†	MARC	2018	Research assistant, U Washington
Carlos Campos†	HHMI	2019	PhD student, U Louisiana Lafayette
Ryan McGee	DS	2020	Sales rep, medical equip supplier, Las Cruces
Valeria Perez†	MARC	2021	PhD student, U Syracuse
Jonathan Brooks†	MARC	2021	withdrew from program
Connor Draney	HHMI	2021	PhD student, Oregon State U.
Kayla Moehn†	BRAiN	exp 2022	

†underrepresented minority

Visiting Scholars

Scholar	Level	Home Institution	Visit
Andrius Pasukonis	MS. student	U Paris 13, France	2010
Cristian Montes	MS. Student	UNAM, Mexico	2010
Igor Berkunsky	Faculty Sabbat.	CONICET, Argentina	2018-19

2004-22 Supervised research experience for credit hours or pay for 48 other undergraduate, including 21 underrepresented minorities, 2 Costa Ricans and 35 women at NMSU.
1997-01 Research mentor for twelve University of Maryland undergraduates
1992-96 Research mentor for twelve University of California undergraduates

ADMINISTRATION

Program Leadership

2022- Team Leader, NMSU Migration Biology Training Program
2020- Scientific Director – NMSU Biomedical Research Building
2016-20 Co-director, NMSU-Howard Hughes Medical Institute Program
2014-16 Program Chair, Non-thesis MS in Biotechnology, NMSU Biology Department
2012-14 Associate Director, NMSU-UCDenver BRAiN Program (NIH BP-ENDURE)
2009-11 Program Chair, Non-thesis MS in Biotechnology, NMSU Biology Department

PROFESSIONAL SERVICE

Journal Editor and Scientific Society Leadership

2019- Associate Editor, *Integrative Organismal Biology* (~8 manuscripts per year)
2019-21 Program Officer, Animal Behavior Society
2015-18 Associate Editor, *The Auk: Ornithological Advances* (~4 manuscripts per year)
2011-14 Editor, *Animal Behaviour* (~35 manuscripts per year)

University and Departmental Activities

2020- Member, Biomedical Building Planning Committee
2013-17 Faculty mentor, Asst. Professor Giancarlo Lopez-Martinez
2012- Member, NMSU Institutional Animal Care and Use Committee
2004- Member of various committees, including Biology P&T (9 years, Chair 1 year), Graduate Education Committee (3 yrs, Chair 2 years), Biotechnology MS committee (Chair 3 years), Student Award Committee (Chair 9 yrs), Biosymposium Committee (6 yrs), Ecology Faculty Search Committee (1 yr), Conservation Ecology Committee (Chair 3 yrs), Physiology Faculty Search Committee (Chair 1 yr), College of Agriculture, Consumer and Environmental Sciences Dean Search (1 yr), College of Arts and Sciences Budget and Planning (1 yr)

Conservation Activities

2019- Founding Member, Mesoamerican Parrot Census Network
2007-10 Coordinator, Integrated Program in Parrot Conservation and Education, Guanacaste, Costa Rica, with the Area de Conservacíon Guanacaste and World Parrot Trust
2005-07 Invited participant, Binational Workshops on the Conservation of Thick-billed Parrots, Janos, Mexico and Douglas Arizona
2004-10 Founder and moderator of “Psittacon”, an electronic listserver for parrot research and conservation (replaces APC-LIST, active 1998-2004)

Media Consultant

2019 Our work is featured in a short video by NMSU’s University Communications

2018 Work by students Marcelo Araya-Salas and Angela Medina-Garcia featured in Las Cruces Sun-News
2016 Our work included in *New York Times* article on parrots (Science Times, 3/21/16)
2016 Our work profiled in photo spread in *National Geographic* magazine (Mar 2016 issue)
2015 Interviewed concerning publication of *Parrots of the Wild* for World Parrot Trust podcast and NMSU press release
2015 Interviewed for article on African parrot trade in *Wall Street Journal* and published follow-up Letter to the Editor
2015 Interviewed for Audubon online article Why do Parrots Talk?
2014 Our work with Elizabeth Hobson on monk parakeet sociality featured in *ScienceNow* "Complex Social Lives Gave Parrots Big Brains"
2014 Our work with Marcelo Araya Salas on hummingbird vocal learning featured on National Geographic Society's website "Hummingbirds May Change Tunes to Seduce Mates"
2013 Consultant and participant for Parrot Confidential, a documentary film on parrot conservation and welfare produced by Argo Films for PBS Nature (Released 9/13/13)
2012 Our work with Jeremy Kirchman on the evolutionary relationships of the extinct Carolina parakeet is profiled in a blog by Grrl Scientist in the Manchester Guardian
2009 Public talk on Parrot Vocal Cultures at the UCSD Center for Research and Training in Anthropogeny's Symposium on Human and Non-human cultures on Youtube
2008 Work featured in *ScienceNews* article "Not your Father's Song"
2001 Interviewed by NPR's "All Things Considered" our paper on nest poaching in parrots

Ad hoc Reviewer for Journals/Publishers

Journals *American Naturalist, Animal Behaviour*, *Animal Conservation, Auk, Austral Ecology, Behavioral Ecology and Sociobiology, Behavioral Processes, Bioacoustics, Biological Conservation, Biological Journal of the Linnean Society, Biology Letters, Condor, Conservation Biology, Conservation Genetics, Current Biology, Current Zoology, Emu, Ethology, Evolution, Frontiers in Ecology, Frontiers in Zoology, Functional Ecology, Journal of the Acoustic Society of America, Journal of Avian Biology, Journal of Ethology, Journal of Comparative Psychology, Journal of Heredity, Molecular Biology and Evolution, Molecular Ecology, Nature Communications, Naturwissenschaften, PLOS One, Proceedings of the Royal Society B, Royal Society Open, Wilson Bulletin of Ornithology*

Books *Various textbooks (3 books, 2-6 chapters each)*, 2 scientific books for general audience.

Ad hoc Reviews, Funding Agencies

National Science Foundation
National Geographic Society
American Philosophical Society
Polish National Science Foundation
Austrian National Science Foundation
Animal Behavior Society Student Grants Committee

Panelist, Funding Agencies

2016 Grant Panel, Neural Systems Program, IOS, NSF
2011 Grant Panel, Animal Behavior Program, IOS, NSF
2008 Dissertation Improvement Grant Panel, Animal Behavior Program, IOS, NSF

Symposium/Workshop Organization

2013 Co-organizer, Workshop on "Phylogenetic Approaches to the Study of Acoustic Signals", International Bioacoustics Congress, Pirenópolis Brazil.

2006 Co-organizer, Symposium on "Sensory and Signal Evolution", Animal Behavior Society Annual Meetings, Snowbird UT.

Outreach Activities (since 2004)

2022 Coauthor with G Smith Vidaurre, TEDEd animated short “Why Can Parrots Talk?”
2020 Virtual Talk for World Parrot Trust Members:
2018 Teen Science Café, Museum of Science and Nature, Las Cruces *Learning local lingo: Social calls in tropical birds*
2015 Rotary Club of Las Cruces *My Life as a Tropical Biologist: How I became one and why I think it is a good thing to be*
2015 Las Cruces Museum of Nature & Science outreach talk, *Bird Bees and Brews*
2015 Temple Beth El, Las Cruces, *Babel’s Birds: Vocal learning in wild parrots* (2 talks)
2014 Mesilla Valley Audubon public seminar: *Babel’s Birds: Vocal learning in wild parrots and other creatures*
2014 Rotary Club of the Rio Grande and Rotary Club of Mesilla Valley (2 talks): *My Life as a Tropical Biologist: How I became one and why I think it is a good thing to be*
2013 Southern New Mexico Science Fair Judge
2012 Sierra Middle School, Science Fair Judge
2010-15 Sierra Middle School, Science Magnet Program lab exercise: *Analysis of parrot calls*
2010 Sierra Middle School, Science Magnet Program field exercise: *Avian behavior at the Bosque del Apache NWR*
2009 NMSU Year of Science and commemoration of Charles Darwin: *Babel’s birds: avian vocal traditions and cultural evolution*
2006-14 Tombaugh Elementary School, Las Cruces outreach talks: *Birds of New Mexico and Costa Rica; Avian Adaptations; Parrot Conservation; Careers in Sciences*
2006 Las Cruces Museum of Natural History public seminar, *Why do parrots mimic? Insights from studies of the yellow-naped amazon*
2004 Mesilla Valley Audubon Society public seminar, *Dialects and duets in the yellow-naped amazon*