

# KEVIN J. BURNS

## CURRICULUM VITAE

Department of Biology  
San Diego State University  
5500 Campanile Drive  
San Diego, CA 92182-4614

Telephone: 619-594-0538  
e-mail: [kburns@sdsu.edu](mailto:kburns@sdsu.edu)  
web: <http://kevinburnslab.com/>  
twitter: @SDSUbirds

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## EDUCATION

Ph.D. (Integrative Biology), University of California, Berkeley, 1996  
M.S. (Zoology), Louisiana State University, 1991  
B.S. (Biology), Texas A&M University, 1988

## PROFESSIONAL POSITIONS

Professor, Department of Biology, San Diego State University (2009 - present)  
Associate Professor, Department of Biology, San Diego State University (2004 - 2009)  
Assistant Professor, Department of Biology, San Diego State University (1998 - 2004)  
Postdoctoral Fellow, American Museum of Natural History (1996 - 1997)

## PUBLICATIONS (\*indicates student co-author)

- Myers, B. M.\*, D. T. Rankin, **K. J. Burns**, A. Brelsford, and C. J. Clark. in press. k-mer analysis shows hybrid hummingbirds perform variable, transgressive courtship sequences. *Animal Behaviour*
- Lane, D. F., M. A. Justiniano, R. S. Terrill, F. E. Rheindt, L. B. Klicka\*, G. H. Rosenberg, C. J. Schmitt, and **K. J. Burns**. 2021. A new genus and species of tanager (Passeriformes, Thraupidae) from the Yungas of western Bolivia and Peru. *Ornithology* 138, uka059.
- Chesser, R. T., S. M. Billerman, **K. J. Burns**, C. Cicero, J. L. Dunn, B. E. Hernández-Bañoa, A. W. Kratter, I. J. Lovette, N. A. Mason, P. C. Rasmussen, J. V. Remsen Jr., D. F. Stotz, and K. Winker. 2021. Sixty-second supplement to the American Ornithological Society's Check-list of North American Birds. *Ornithology* 138: 1-18.
- Vinciguerra, N. T.\* and **K. J. Burns**. 2021. Species diversification and ecomorphological evolution in the radiation of tanagers (Passeriformes: Thraupidae). *Biological Journal of the Linnean Society* 133 (3): 920–930.
- Demery, A.-J. C.\*, **K. J. Burns**, K. J., and N. A. Mason. 2021. Bill size, bill shape, and body size constrain bird song evolution on a macroevolutionary scale. *Ornithology* 138 (2) ukab11.
- Myers, B. M.\*, **K. J. Burns**, C. J. Clark, and A. Brelsford. 2021. The population genetics of non-migratory Allen's Hummingbird (*Selasphorus sasin sedentarius*) following a recent mainland colonization. *Ecology and Evolution* 11 (4): 1850-1865.

- Chesser, R. T., S. M. Billerman, **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, N. A. Mason, P. C. Rasmussen, J. V. Remsen Jr., D. F. Stotz, and K. Winker. 2021. Addendum to the sixty-first supplement to the American Ornithological Society's Check-list of North American Birds. *Ornithology* 138 (1) ukaa074.
- Price-Waldman, R. M.\*, Shultz, A. J., and **K. J. Burns**. 2020. Speciation rates are correlated with changes in plumage color complexity in the largest family of songbirds. *Evolution*. 74 (6), 1155-1169.
- Chesser, R. T., S. M. Billerman, **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, N. A. Mason, P. C. Rasmussen, J. V. Remsen Jr., D. F. Stotz, and K. Winker. 2020. Sixty-first supplement to the American Ornithological Society's Check-list of North American Birds. *The Auk: Ornithological Advances* 137: 1-24.
- Myers, B. M.\*, D. T. Rankin, **K. J. Burns**, and C. J. Clark. 2019. Behavioral and morphological evidence of an Allen's × Rufous Hummingbird (*Selasphorus sasin* × *S. rufus*) hybrid zone in southern Oregon and northern California. *The Auk: Ornithological Advances* 136 (4), ukz049
- Burns, K. J.** 2019. Book Review of *The Ascent of Birds: How Modern Science is Revealing Their Secrets*. *The Auk: Ornithological Advances* 136 (3), ukz022
- Chesser, R. T., **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen Jr., D. F. Stotz, and K. Winker. 2019. Sixtieth supplement to the American Ornithological Society's Check-list of North American Birds. *The Auk: Ornithological Advances* 136 (3), ukz042.
- Campillo, L. C., **K. J. Burns**, R. G. Moyle, and J. D. Manthey. 2019. Mitochondrial genomes of the bird genus *Piranga*: rates of sequence evolution, and discordance between mitochondrial and nuclear markers. *Mitochondrial DNA Part B* 4: 2566-2569.
- Funk, E. R.\*, and **K. J. Burns**. 2019. Evolutionary distinctiveness and conservation priorities in a large radiation of songbirds. *Animal Conservation* 22 (3): 274-284.
- Piacentini, V., P. Unitt, and **K. J. Burns**. 2019. Two overlooked generic synonyms in the Thraupidae (Aves: Passeriformes)." *Zootaxa* 4608 (3): 593-594.
- Funk, E. R.\* and **K. J. Burns**. 2018. Biogeographic origins of Darwin's finches (Thraupidae: Coerebinae). *The Auk: Ornithological Advances* 135: 561-571.
- Chesser, R. T., **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen Jr., D. F. Stotz, B. M. Winger, and K. Winker. 2018. Fifty-ninth supplement to the American Ornithological Society's Check-list of North American Birds. *The Auk: Ornithological Advances*, 135: 798-813.
- Drury, J.P., J. A. Tobias, **K. J. Burns**, N. A. Mason\*, A. J. Shultz\*, and H. Morlon. 2018. Contrasting impacts of competition on ecological and social trait evolution in songbirds. *PLoS Biology* 16(1): e2003563.
- Burns, K. J.**, McGraw, K., Shultz, A\*, Stoddard, M., and Thomas, D. 2018. Advanced methods for studying pigments and coloration using avian specimens. *Emerging Frontiers in Collections-based Ornithological Research: The Extended Specimen*. *Studies in Avian Biology* 50: 23-55. CRC Press, Boca Raton, FL.
- Mason, N.A.\*, Pasch, B., **Burns, K. J.**, Derryberry, E. 2018. Integrating museum and media collections to study vocal ecology and evolution. *Emerging Frontiers in*

- Collections-based Ornithological Research: The Extended Specimen*. Studies in Avian Biology 50: 57-74. CRC Press, Boca Raton, FL.
- Dickerson, E. C. and **K. J. Burns**. 2018. The name *Tangara cyanocephala* as used by Storer (1970: 324) and many other authors. Pp. 259-260 in "A study of d'Orbigny's "Voyage dans l'Amerique Meridionale" by E. C. Dickinson and A. Lebossé. Zoological Bibliography 2018 5(4): 49-274.
- Richart, C. H.\* and **K. J. Burns**. 2017. Birding San Diego State University. PostScript SDSU Retired Faculty/Staff News 32: 10.
- Chesser, R. T., **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen Jr., J. D. Rising, D. F. Stotz, and K. Winker. 2017. Fifty-eighth Supplement to the American Ornithological Society's Check-list of North American Birds. The Auk: Ornithological Advances, 134: 751-773.
- Shultz, A. J.\* and **K. J. Burns**. 2017. The role of sexual and natural selection in shaping patterns of sexual dichromatism in the largest family of songbirds (Aves: Thraupidae). Evolution 71: 1061-1074.
- Mason, N. A.\*, **K. J. Burns**, J. A. Tobias, S. Claramunt, N. Seddon, and E. P. Derryberry. 2017. Song evolution, speciation, and vocal learning in passerine birds. Evolution 71: 786-796.
- Chesser, R. T., **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen Jr., J. D. Rising, D. F. Stotz, and K. Winker. 2016. Fifty-seventh Supplement to the American Ornithologists' Union Check-list of North American Birds. The Auk: Ornithological Advances, 133: 544-560.
- Manthey, J. D., L. C. Campillo, **K. J. Burns**, and R. G. Moyle. 2016. Comparison of Target-capture and Restriction-site Associated DNA Sequencing for Phylogenomics: a Test in Cardinalid Tanagers (Aves, Genus: *Piranga*). Systematic Biology 65: 640-650.
- Burns, K. J.**, P. Unitt, N. A. Mason\*. 2016. A genus-level classification of the family Thraupidae (Class Aves: Order Passeriformes). Zootaxa 4088: 329-354.
- Klicka, L. B.\*, B. E. Kus, P. O. Title\*, and **K. J. Burns**. 2016. Conservation Genomics reveals multiple evolutionary units within Bell's Vireo (*Vireo bellii*). Conservation Genetics 17: 455-471.
- Chesser, R. T., R. C. Banks, **K. J. Burns**, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, A. G. Navarro-Sigüenza, P. C. Rasmussen, J. V. Remsen Jr., J. D. Rising, D. F. Stotz, and K. Winker. 2015. Fifty-sixth Supplement to the American Ornithologists' Union: Check-list of North American Birds. The Auk: Ornithological Advances, 132: 748-764.
- Title, P. O.\* and **K. J. Burns**. 2015. Rates of climatic niche evolution are correlated with species richness in a large and ecologically diverse radiation of songbirds. Ecology Letters 18:433-440.
- Barker, F. K., **K. J. Burns**, J. Klicka, S. M. Lanyon, and I. J. Lovette. 2015. New insights into New World biogeography: An integrated view from the phylogeny of blackbirds, cardinals, sparrows, tanagers, warblers, and allies. The Auk: Ornithological Advances 132: 333-348.
- Mason, N.A.\* and **K. J. Burns**. 2015. The effect of habitat and body size on the evolution of vocal displays in Thraupidae (tanagers), the largest family of songbirds. Biological Journal of the Linnean Society 114: 538-551.

- Mason, N. A.\*, Shultz, A. J.\*, and **K. J. Burns**. 2014. Elaborate visual and acoustic signals evolve independently in a large, phenotypically diverse radiation of songbirds. *Proceedings of the Royal Society B, Biological Sciences* 281, 1788 20140967.
- Klicka, J., F. K. Barker, **K. J. Burns**, S. M. Lanyon, I. J. Lovette, J. A. Chaves, R. W. Bryson. 2014. A comprehensive multilocus assessment of sparrow (Aves: Passerellidae) relationships. *Molecular Phylogenetics and Evolution* 77: 177-182.
- Fritz, J. A., J. Brancale, M. Tokita, **K. J. Burns**, M. B. Hawkins, A. Abzhanov, and M. P. Brenner. 2014. Shared developmental program strongly constrains beak shape diversity in songbirds. *Nature Communications*, 5, 3700.
- Burns, K. J.**, A. J. Shultz\*, P. O. Title\*, N. A. Mason\*, F. K. Barker, J. Klicka, S. M. Lanyon, and I. J. Lovette. 2014. Phylogenetics and diversification of tanagers (Passeriformes: Thraupidae), the largest radiation of Neotropical songbirds. *Molecular Phylogenetics and Evolution*, 77: 177-182.
- Mason, N. A.\*, P. O. Title\*, C. Cicero, **K. J. Burns**, and R. C. K. Bowie. 2014. Genetic variation among western populations of the Horned Lark (*Eremophila alpestris*) indicates recent colonization of the Channel Islands off southern California, mainland-bound dispersal, and postglacial range shifts. *The Auk: Ornithological Advances* 131: 162-174.
- Powell, A. F. L. A., F. K. Barker, S. M. Lanyon, **K. J. Burns**, J. Klicka, and I. J. Lovette. 2014. A comprehensive species-level molecular phylogeny of the New World blackbirds (Icteridae) *Molecular Phylogenetics and Evolution* 71: 94-112.
- Mason, N. A.\* and **K. J. Burns**. 2013. Molecular phylogenetics of the Neotropical Seedeaters and Seed-finches (*Sporophila*, *Oryzoborus*, *Dolospingus*). *Ornitología Neotropical* 24: 139-155.
- Ryan, P. G., L. B. Klicka\*, F. K. Barker, and **K. J. Burns**. 2013. The origin of finches on Tristan da Cunha and Gough Island, central South Atlantic Ocean. *Molecular Phylogenetics and Evolution* 69: 299-305.
- Barker, F. K., **K. J. Burns**, J. Klicka, S. M. Lanyon, and I. J. Lovette. 2013. Going to extremes: contrasting rates of diversification in a recent radiation of New World passerine birds. *Systematic Biology* 62: 298-320.
- Shultz, A. J.\* and **K. J. Burns**. 2013. Plumage evolution in relation to light environment in a novel clade of Neotropical tanagers. *Molecular Phylogenetics and Evolution* 66: 112-125.
- Mallarino, R., O. Campàs, J. A. Fritz, **K. J. Burns**, O. G. Weeks, M. P. Brenner, and A. Abzhanov. 2012. Closely related bird species demonstrate flexibility between beak morphology and underlying developmental programs. *Proceedings of the National Academy of Sciences* 109: 16222-16227.
- Burns, K. J.** and A. J. Shultz\*. 2012. Widespread cryptic dichromatism and ultraviolet reflectance in the largest radiation of Neotropical songbirds: implications of accounting for avian vision in the study of plumage evolution. *The Auk* 129: 211-221.
- Lovette I. J., J. L. Pérez-Emán, J. P. Sullivan, R. C. Banks, I. Fiorentino, S. Córdoba-Córdoba, M. Echeverry-Galvis, F. K. Barker, **K. J. Burns**, J. Klicka, S. M. Lanyon, E. Bermingham. 2010. A comprehensive multilocus phylogeny for the

- wood-warblers and a revised classification of the Parulidae (Aves). *Molecular Phylogenetics and Evolution* 57: 753-770.
- Sedano, R. E.\* and **Burns, K. J.** 2010. Are the Northern Andes a species pump for Neotropical birds? Phylogenetics and biogeography of a clade of Neotropical tanagers (Aves: Thraupini). *Journal of Biogeography* 37: 325-343.
- Burns, K. J.** and R. A. Racicot\*. 2009. Molecular phylogenetics of a clade of lowland tanagers: Implications for avian participation in the Great American Interchange. *The Auk* 126: 635-648.
- Mauck, W. M.\* and **K. J. Burns**. 2009. Phylogeny, biogeography, and recurrent evolution of divergent bill types in the nectar-stealing flowerpiercers (Thraupini: *Diglossa* and *Diglossopsis*). *Biological Journal of the Linnean Society* 98: 14-28.
- Klicka, J., **K. J. Burns**, and G. M. Spellman. 2007. Defining a monophyletic Cardinalini: A molecular perspective. *Molecular Phylogenetics and Evolution* 45: 1014-1032.
- Burns, K. J.**, M. P. Alexander\*, D. N. Barhoum\*, and E. A. Sgariglia\*. 2007. A statistical assessment of congruence among phylogeographic histories of three avian species in the California Floristic Province. Pages 96-109 in *Festschrift for Ned K. Johnson: Geographic Variation and Evolution in Birds* (C. Cicero and J. V. Remsen, Jr., Eds.). *Ornithological Monographs*, no. 63.
- Shepherd, T. M.\* and **K. J. Burns**. 2007. Intraspecific genetic analysis of the Summer Tanager (*Piranga rubra*): Implications for species limits and conservation. *Journal of Avian Biology* 28: 13-27.
- Alexander, M. P.\* and **K. J. Burns**. 2006. Intraspecific phylogeography and adaptive divergence in the White-headed Woodpecker. *The Condor: An International Journal of Avian Biology* 108: 489-518.
- Burns, K. J.** and D. Barhoum\*. 2006. Population-level history of the wrentit (*Chamaea fasciata*): implications for comparative phylogeography in the California Floristic Province. *Molecular Phylogenetics and Evolution* 38: 117-129.
- Burns, K. J.** and K. Naoki. 2004. Molecular phylogenetics and biogeography of Neotropical tanagers in the genus *Tangara*. *Molecular Phylogenetics and Evolution* 32: 838-854
- Klein, N. K., **K. J. Burns**, S. J. Hackett, and C. S. Griffiths. 2004. Molecular phylogenetic relationships among the wood warblers (Parulidae) and historical biogeography in the Caribbean basin. *Journal of Caribbean Ornithology*, Vol. 17: 3-17.
- Burns, K. J.**, S. J. Hackett, and N. K. Klein. 2003. Phylogenetic relationships of Neotropical honeycreepers and the evolution of feeding morphology. *Journal of Avian Biology* 34: 360-370.
- Sgariglia, E. A.\* and **K. J. Burns**. 2003. Phylogeography of the California Thrasher (*Toxostoma redivivum*). *The Auk: A Quarterly Journal of Ornithology* 120: 346-361
- Burns, K. J.** and A. F. Skutch. 2003. Family Thraupidae: Tanagers and Tanager-Finches, pp. 628-631 in *The Encyclopedia of Birds*, C. Perrins, ed. Andromeda Oxford Ltd, Oxfordshire.

- Burns, K. J.**, S. J. Hackett, and N. K. Klein. 2002. Phylogenetic relationships and morphological diversity in Darwin's finches and their relatives. *Evolution* 56: 1240-1252.
- Barhoum, D. N.\* and **K. J. Burns**. 2002. Phylogenetic relationships of the Wrenit based on mitochondrial cytochrome *b* sequences. *The Condor: An International Journal of Avian Biology* 104: 740-749.
- Burns, K. J.** 2001. Book Review of Handbook of Birds of the World. Vol. 5 Barn-Owls to Hummingbirds, *The Condor: An International Journal of Avian Biology* 103: 200-201.
- Ditchfield, A. and **K. J. Burns**. 1998. DNA sequences reveal phylogeographic similarities between Neotropical bats and birds. *Journal of Comparative Biology* 3: 165-170.
- Burns, K. J.** 1998. A phylogenetic perspective on the evolution of sexual dichromatism in tanagers (Thraupidae): The role of female versus male plumage. *Evolution* 52: 1219-1224.
- Burns, K. J.** 1998. Molecular phylogenetics of the genus *Piranga*: implications for biogeography and the evolution of morphology and behavior. *The Auk: A Quarterly Journal of Ornithology*: 115: 621-634.
- Burns, K. J.** 1997. Molecular systematics of tanagers (Thraupinae): evolution and biogeography of a diverse radiation of Neotropical birds. *Molecular Phylogenetics and Evolution* 8: 334-348.
- Burns, K. J.** 1993. Comparative ontogeny of two morphologically differentiated populations of the Fox Sparrow (*Passerella iliaca*). *The Condor: An International Journal of Avian Biology* 95: 652-661.
- Burns, K. J.** and S. J. Hackett. 1993. Nest and nest-site characteristics of a western population of the Fox Sparrow (*Passerella iliaca*). *Southwestern Naturalist* 238: 277-279.
- Burns, K. J.** and R. M. Zink. 1990. Temporal and geographic homogeneity of gene frequencies in the Fox Sparrow (*Passerella iliaca*). *The Auk: A Quarterly Journal of Ornithology*. 107: 421-424.

## **TEACHING, ADVISING, AND MENTORING AWARDS**

Outstanding Advisor, Kappa Sigma 2019 & 2020  
 Most Influential Faculty of 2016 Outstanding Biology Student  
 Teacher-Scholar for 2008-2009, Department of Biology  
 Most Influential Faculty of 2009 Outstanding Biology Student  
 Exemplary Academic Advisor Award nomination, Spring 2007  
 Outstanding Graduate Student Instructor award, UC Berkeley, 1992  
 Gates Award for Teaching Excellence, Louisiana State University, 1990

## **RESEARCH HONORS AND AWARDS**

Brina C. Kessell Publication Award; awarded by the American Ornithological Society for best paper published in the society's journal in the last 4 years (awarded 2018)

Fellow of the American Ornithologists' Union (elected 2010)  
Elective Membership status, American Ornithologists' Union (elected 2000)  
Elected Honorary membership in Phi Beta Kappa, May 2010  
45<sup>th</sup> Annual Faculty Lecturer for SDSU Phi Beta Kappa Society, 2010  
Annie Alexander Fellowship, UC Berkeley, 1996  
Graduate Division Fellowship, UC Berkeley, 1995  
Joseph Maillard Fellowship in Ornithology, UC Berkeley, 1994

## RESEARCH GRANTS

National Science Foundation, "Admixture mapping of a hybrid zone to test Tinbergen's emancipation hypothesis", 2017 - 2023.  
California Conservation Genomics Project, "Mapping California's Vertebrate Genomic Diversity", Research Team Member, 2020-2022  
California Conservation Genomics Project, "Migratory (*Selasphorus sasin sasin*) and sedentary (*S. s. sedentarius*) Allen's hummingbirds: anthropogenic effects on a near-endemic hummingbird", Research Team Member, 2020-2022  
National Science Foundation, Non-Academic Research Internships for Graduate Students (INTERN) Supplemental Funding Opportunity, "Addressing areas of conservation concern across Southern California through the identification of evolutionary hotspots" 2020.  
National Science Foundation, "The role of ecologically and sexually selected traits in generating patterns of species diversification in a continent-wide radiation of birds", 2014 – 2020.  
SDSU University Grants Program, "Genetic and phenotypic divergence in an insular context: Phylogeography, evolution, and adaptation in the Channel Islands avifauna, 2013 - 2014.  
National Science Foundation, "Collaborative Research: Historical inference in the Emberizinae (Aves: Passeriformes) using a complete species-level phylogeny", 2003 - 2007  
National Science Foundation, "The Evolution of Sexual Dimorphism in Plumage: A Phylogenetic Perspective", 2002 - 2007  
California Department of Parks and Recreation, "Investigating Genetic Diversity in the Summer Tanager (*Piranga rubra*)", 2003 - 2004  
National Geographic Society, Community evolution of tanagers in the genus *Tangara*, 2000 - 2002  
SDSU Faculty Grant-in-aid, The evolution of feeding morphology and sexual dimorphism in a radiation of Neotropical birds, 1998  
National Science Foundation Doctoral Dissertation Improvement Grant; The comparative method and evolution: examples from the avian genus *Piranga* and its relatives, 1994 - 1996  
American Ornithologists' Union research grant; The evolution of sexual dimorphism in the subfamily Thraupinae, 1994  
Frank M. Chapman Memorial Fund of the American Museum of Natural History; Evolution in the genus *Piranga*, 1993

Frank M. Chapman Memorial Fund of the American Museum of Natural History;  
Geographic variation in Fox Sparrow ontogeny, 1989

## **TEACHING AND MENTORING**

### Mentoring

Committee chair of 21 graduate students

Committee member of 33 additional graduate students

Sponsor of 70 undergraduate independent study projects

Postdoctoral sponsor of 1 scholar

### Courses Taught at SDSU

Biology 509 – Advanced Evolutionary Biology (upper division & graduate course, 23 semesters)

Biology 524 - Ornithology (upper division & graduate course, 22 semesters)

Biology 352 - Genetics and Evolution (upper division course, 2 semesters)

Biology 770 - Graduate Seminar in Systematics and Evolution (1 semester)

Biology 795 – Seminar in Ecology and Evolutionary Biology (2 semesters)

### Courses Taught elsewhere

University of California at Berkeley: labs for Biology, Mammalogy, Natural History

Louisiana State University: labs for Biology, Zoology, Ornithology

## **BIOLOGICAL COLLECTIONS & FIELD WORK**

Curator of Ornithology, SDSU Museum of Biodiversity

Field Work in the Dominican Republic, Mexico, Ecuador, Peru, Costa Rica, Paraguay, Brazil, Argentina, and throughout California and much of western North America

Curatorial Assistant, Museum of Vertebrate Zoology Berkeley, Ornithology Collection

Curatorial Assistant, Museum of Natural Sciences, LSU, Genetic Resources Collection

## **SCIENTIFIC PRESENTATIONS**

### Papers presented at professional meetings (most with student co-authors)

2021: (2) American Ornithological Society, virtual meeting

2020: (1) Society of Systematic Biology, Gainesville, Florida

(1) SDSU Student Research Symposium

(3) American Ornithological Society, virtual meeting

2019: (2) American Ornithological Society, Fairbanks, AK

2018: (1) Society of Integrative and Comparative Biologists, San Francisco

(3) American Ornithological Society, Tucson

(1) Animal Behavior Society, Milwaukee

(1) Western Hummingbird Partnership Conference, Glendale, CA

2017: (4) American Ornithological Society, East Lansing, Michigan

2016: (2) North American Ornithological Congress, Washington, DC



- (1) California Islands Symposium, Ventura California
- 2015: (2) Society of Systematic Biologists and the Society for the Study of Evolution, Guarujá, Brazil  
 (2) American Ornithologists' Union/Cooper Ornithological Society joint meeting, Norman, Oklahoma
- 2014: (3) American Ornithologists' Union/Cooper Ornithological Society joint meeting, Estes Park, Colorado
- 2013: (4) American Ornithologists' Union/Cooper Ornithological Society/Society of Canadian Ornithologists joint meeting, Chicago, IL  
 (1) Early Career Scientist Symposium on Macroevolution. Ann Arbor, MI
- 2012: (2) North American Ornithological Congress, Vancouver, British Columbia  
 (1) VertNet Biodiversity Informatics Training Workshop. Boulder, CO
- 2011: (3) Society of Systematic Biologists and the Society for the Study of Evolution, Norman, Oklahoma  
 (1) American Ornithologists' Union, Jacksonville, FL
- 2010: (3) Society of Systematic Biologists and the Society for the Study of Evolution, Portland, Oregon  
 (2) American Ornithologists' Union/Cooper Ornithological Society/Society of Canadian Ornithologists joint meeting, San Diego, CA
- 2009: (1) American Ornithologists' Union, Philadelphia, PA
- 2008: (1) American Ornithologists' Union/Cooper Ornithological Society/Society of Canadian Ornithologists joint meeting, Portland, OR, co-authored with student
- 2007: (4) American Ornithologists' Union, Laramie Wyoming; invited symposium speaker and three co-authored presentations with students  
 (2: Congreso de Ornithología Neotropical, Venezuela; two co-authored student presentations
- 2006: (2) North American Ornithological Congress, Veracruz, Mexico; two co-authored with students
- 2005: (1) American Ornithologists' Union, Santa Barbara, CA, invited symposium speaker, co-authored with three students
- 2004: (3) American Ornithologists' Union, Quebec City, Quebec, three presentations
- 2003: (1) Congreso de Ornithología Neotropical, Puerto Varas, Chile, co-authored with Kazuya Naoki
- 2002: (2) North American Ornithology Conference, New Orleans, LA, two presentations
- 2001: (2) American Ornithologists' Union, Seattle, WA, two presentations, one co-authored with student
- 1999: (2) American Ornithologists' Union, Ithaca, NY, two presentations, one co-authored with student
- 1997: (1) Society of Systematic Biologists and the Society for the Study of Evolution. Boulder, Colorado; American Ornithologists' Union; Minneapolis, Minnesota
- 1996: (1) American Ornithologists' Union; Boise, Idaho.
- 1995: (1) Society of Systematic Biologists and the Society for the Study of Evolution. Montreal, Canada.
- 1994: (1) North American Ornithology Conference. Missoula, Montana.
- 1992: (1) Society of Systematic Biologists and the Society for the Study of Evolution. Berkeley, California.

### Invited presentations

- 2021: (1) San Diego Field Ornithologists  
2020: (1) Zoology Club at San Diego State University  
2019: (1) California Polytechnic University, Pomona  
2017: (1) SDSU Graduate Student Association  
2016: (2) San Diego Field Ornithologists; US Fish and Wildlife Service  
2015: (3) Department of Biology, University of San Diego; Field Museum of Natural History, Chicago; San Diego Audubon Bird Festival  
2014: (2) Perspectives of Science Lecture Series, Point Loma Nazarene University; San Diego Field Ornithologists  
2013: (1) Department of Ecology and Evolutionary Biology, UCLA  
2012: (1) Institute of Conservation Research, San Diego Zoological Society  
2011: (2) University of California Riverside, Evolution, Ecology and Evolutionary Biology; The Natural History Club at San Diego State University  
2010: (3) San Diego Audubon Society; San Diego Association of Rational Inquiry; SDSU Phi Beta Kappa Society  
2009: Department of Biology, University of California, San Diego  
2008: San Diego Field Ornithologists  
2007: (2) Museum of Vertebrate Zoology, University of California, Berkeley; Symposium speaker, American Ornithologists' Union meeting  
2005: (2) SDSU's Center for Teaching and Learning; Symposium speaker, American Ornithologists' Union meeting  
1998: Department of Biology, University of California, San Diego  
1996: Department of Zoology, University of Washington  
1995: Symposium speaker, Congreso de Ornithología Neotropical, Asuncion, Paraguay  
1995: Department of Ornithology, American Museum of Natural History  
1994: Department of Biology, San Francisco State University

### **SERVICE FOR THE UNIVERSITY AND COMMUNITY**

#### Department Service

- Evolutionary Biology M.S. Program Coordinator, 2001 - present  
Evolutionary Biology PhD Program Coordinator, Fall 2011; Spring 2020  
Biology Department Curriculum Committee, 2003 – 2009; 2015 - 2018  
Department of Biology Research, Tenure, and Promotion Committee (2004 - 2007; chair 2006 - 2007; 2015 - 2016, 2018)  
Computational Evolutionary Biologist Search Committee, 2017  
Plant Evolutionary Biologist Search Committee, 2015  
Ecology and Evolutionary Biology Seminar Series, Coordinator, 1999, 2010  
Animal Behavior Search Committee, 2006  
Joint-PhD Program for Evolutionary Biology Committee, 1998 - 2004  
Marine Animal Ecology Search Committee, 2001  
Entomology Search Committee, 1999  
Evolutionary Biology Scholarship Committee, 1999 - 2001

### University Service

Curator of Ornithology, SDSU Museum of Biodiversity, 1998 - present  
Curator of Genetic Resources of the Bird Department, San Diego Natural History Museum, 1998 – present  
IACUC (Institutional Animal Care and Use Committee), 2001 - present  
Carpenter-Cohn Lecture Committee, chair, 2010 - present  
Faculty Advisor, Kappa Sigma Fraternity, 2018 - 2020  
SDSU Open House, 2000 - 2004; 2014 - 2019  
Graduate Association, Grant Writing Workshop, 2017  
Library Exhibit, “The Fact of Evolution”, 2009

### Professional Service

Committee on Classification and Nomenclature (“AOS Check-list Committee”, American Ornithological Society (2015- present)  
Search Committee, Los Angeles County Museum of Natural History (2018)  
Council/Board of Directors, American Ornithologists’ Union (2013-2016)  
Co-chair, 2010 joint meeting of the American Ornithologists’ Union, Cooper Ornithological Society, and Canadian Society of Ornithologists, San Diego, CA.  
Panel Member, National Science Foundation (served on three different panels)  
Proposal Reviewer for National Science Foundation (multiple proposals reviewed)  
Student Awards Committee, American Ornithologists’ Union (two years)  
Society of Systematic Biology Student Grant Reviewer  
American Ornithologists’ Union Young Professionals Committee (2004 – 2006)  
Board of Directors Nominating Committee, Cooper Ornithological Association (2003)  
Reviewer for various journals including: *Evolution*, *Systematic Biology*, *Proceedings of the Royal Society of London*, *Trends in Ecology and Evolution*, *Molecular Ecology*, *Ornithología Neotropical*, *Molecular Phylogenetics and Evolution*, *Biota Neotropica*, *The Auk: A Quarterly Journal of Ornithology*, *American Museum Novitates*, *The Condor: An International Journal of Avian Biology*, *Zootaxa*, *Journal of Avian Biology*, *Wilson Journal of Ornithology*, *Bulletin of the British Ornithological Society*, and *Journal of Biogeography*  
Book Reviewer for the following journal: *The Condor: An International Journal of Avian Biology*; *The Auk: Ornithological Advances*

### Community Service

Active eBird and Christmas Bird Count participant (over 4,500 eBird checklists; over 15 CBCs)  
Author of over 70 online publications (all with student co-authors) for Cornell University’s Birds of the World  
Presentations for San Diego Field Ornithologists, a local birding group (2020, 2016, 2014, 2008)  
Presentations for the general community (e.g., San Diego Bird Festival, San Diego Audubon Society, San Diego Zoo, San Diego Association of Rational Inquiry, US Fish and Wildlife Service)

Science Olympiad Tournament (Event Captain for this science competition for junior high and high school students; 2001-2002; 2010-2011)  
Presentations and loans of museum materials for K-12 students  
Participant in San Diego Breeding Bird Atlas Project  
San Diego Natural History Museum (curating and maintaining the genetic resources of the Department of Birds)

## **PROFESSIONAL MEMBERSHIPS**

American Ornithological Society  
Neotropical Ornithological Society  
Society of Systematic Biologists  
Society for the Study of Evolution  
Western Field Ornithologists  
Neotropical Ornithological Society

## **MEDIA COVERAGE**

Some media outlets that have covered our lab's research: San Diego Union Tribune, Slate, Audubon, Scientific American, The Daily Aztec, Radio Netherlands, SDSU Magazine, KGTV ABC Channel 10, KUSI/Channel 9, Bird Watcher's Digest, Birding Magazine, Science Daily, Harvard Review, Birdwatching Magazine, Daily Mail, Harper's, La Republica, The Guardian