

Wednesday, Morning Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Behavior	Conservation	Tropical & General Ecology	Molecular Ecology	Foraging & Food Habits	Biogeography	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
10:30	*Exploratory behavior in wild chickadees: contrasting two field methods <i>Polekoff SE, Bennett BL, Curry RL</i>	Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers <i>Hunt KL, Gibson D, Catlin DH, Friedrich MJ, Huber CJ, Fraser JD</i>	*Lack of nest defense behavior leaves endemic Caribbean ground-nesting birds more vulnerable to depredation by invasive mammals <i>Garrod HM, Curry RL</i>	*Fitness consequences of hybridization in Saltmarsh and Nelson's sparrows <i>Maxwell LM, Walsh J, Olsen BJ, Kovach AJ</i>	*Parasitic Indicators of Foraging Strategies in Wading Birds-A Great Blue Heron Case Study <i>Gumbleton SE, Kerstetter DW, Blonar CA, Hiron AC</i>	*Reconstructing the geographic origin of the New World jays <i>Fernando SW, Peterson AT, Li S</i>	Cats in Australia: numbers, management and impact on birds <i>Legge SM, Woinarski JC</i>
10:45	Using GPS Marks to Estimate Daily Rates of Lek Attendance and Lek Switching in Male Greater Sage-Grouse <i>Wann GT, Coates PS, Prochazka BG, Ricca MA</i>	Movements and demography of the Brown-capped Rosy-Finch <i>George T, Zavaleta E, VanBuskirk R, Spellman G</i>	*Annual habitat selection of the endangered, island-endemic Hawaiian Duck on Kauai <i>Malachowski CP, Dugger BD, Reynolds MH, Uyelhara KJ</i>	*Characterizing the Northwestern Crow-American Crow hybrid zone using genetic data from 150 years of museum specimens <i>Slager DL, Epperly KL, Kicka J</i>	*Breeding season prey selection trends by the Little Blue Heron (<i>Egretta caerulea</i>) in coastal south Florida <i>Kohler ER, Gawlik DE, Martinez M, Románach SS</i>	Sorting of some basic concepts associated with diversification in birds <i>Bates JM</i>	
11:00	*Do birds of a feather covey together? Social networks and pair bonding within a sympatric Callipepla quail population <i>Zonana DM, Gee JM, Bridge ES, Doak DF</i>	Does diet composition or habitat biogeochemistry drive mercury concentration in a threatened wetland bird? <i>Hall LA, Woo I, De La Cruz SE, Marvin-DiPasquale M, Krabbenhoft DP</i>	*Breeding bird use of restored shallow lakes in Iowa <i>Vantausdall RA, Dinamore SJ</i>	DNA metabarcoding reveals dietary shifts in response to acidification in a stream-dependent Neotropical migrant <i>Trevelline BK, Natile T, Porter BA, Brouwer NL, Hoenig BD, Latta SC</i>	*Condition-dependent foraging strategies of brown pelicans (<i>Pelecanus occidentalis</i>) in the northern Gulf of Mexico <i>Geary B, Walter ST, Leberg PL, Karubian J</i>	Definition of arid-Zone Carduelini Finches by DNA Phylogeography: American and Asian <i>G. Carpodacus</i> is Taxonomically Split <i>Arnaiz-Villena A, Palacio-Gruber J, Campos C, Múñiz E</i>	A review of the impacts of free-ranging domestic cats on North American wildlife <i>Loss SR, Marra PP</i>
11:15	Social and Ecological Influences on Repertoire Size Across Birds <i>Eiterson MA, Garber K</i>	How does EPA assess risks of chemicals to birds? <i>Eiterson MA, Garber K</i>	*Can citizen scientists provide reliable avian count data in low diversity neotropical areas? <i>Bergen NP, Koper N</i>	Investigating the molting and migration strategy of the Painted Bunting through genomics and stable isotopes <i>Contina A, Kelly J, Bridge E, Ruegg K</i>	*Dietary niche dynamics of two alcids in northeastern Newfoundland under varying prey availability <i>Gulka JE, Davoren GK</i>	Three Extirpated Ice-Age Birds in the Bahamas <i>Steadman DW, Oswald JA, Takano OM, Franklin J</i>	The role of domestic cats in the admission of injured birds to rehabilitation and rescue centers <i>Loyd KT, McKuer DL, Hernandez SM</i>
11:30	*Environmental temperature and human disturbance affect Least Tern (<i>Sterna antillarum</i>) incubation behavior and egg temperatures <i>Danner RM</i>	Regional Occupancy and Post-fire Recovery of California Gnatcatchers in Southern California <i>Kus BE, Preston KL, Houston A</i>	Theory of trophic specialization in Neotropical insectivorous birds, and implications for resource partitioning and the niche <i>Sherry TW, Kent C, Sánchez N, AdekerioAñu AGH</i>	Within-group relatedness explains patterns of cooperation and reproductive sharing in the chestnut-crested yuhina <i>Kaiser SA, Martin TE, Oieya JC, Danner JE, Armstad C, Fleischer RC</i>	Picky eaters: An undergraduate laboratory exercise <i>Bowlin MS</i>	Testing the ancient Amazonian origins of a group of open-habitat suboscine birds (<i>Pachyrhamphus</i>) <i>Auerbach A, McKay JS, Cracraft J</i>	Feral Cats and One Health
11:45	Apparent buffering of population decline after habitat loss in an endangered cooperatively breeding songbird <i>Mortensen JL, Temple HJ, Curry RL, Reed J</i>	*Assessing the impacts of Burmese pythons on wading bird nesting colonies in the Everglades of Florida <i>Orzechowski SC, Hunter ME, Romagosa CM, Frederick PC</i>	Bahama Orioles in the Pine Forest: Documentation of New Breeding Habitat and Higher Population Densities Improve Prospects for a Critically Endangered Species <i>Omland K, Johnson S, Stanley R, Snodds C, Sillett T, Shelley C</i>	*Elucidating Black-capped Vireo movement ecology in central Texas using genetics and modeling <i>Hauser SS, Walker L, Leberg P</i>	*Winter diet composition of Montezuma quail in southern Arizona <i>López Bujanda OE, Macías Duarte A, Castillo Gámez RA, Montoya AB</i>	*Biogeography and trait evolution of the pantropical avian order Coraciiformes <i>McCullough JM, Moyle RG, Smith BT, Andersen MJ</i>	Look What the Cat Dragged In: Human Diseases <i>Duffy DC</i>

Wednesday, Early Afternoon Session

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Songs & Vocalizations	Conservation	Management & Policy	Evolution	Sym: Underlying Mechanisms of Avian Hybridization	Phylogenetics	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
13:30	Vocal performance correlations to beak morphology are disrupted by local dialect adherence <i>Ross JD, Panditi MM, Bouzat JL</i>	Conservation of Henslow's Sparrow in the Chicago Metropolitan Area: An Area With Surprisingly Good Long-term Potential	Biological control of tamarisk reduces bird abundance, density and richness: Implications for southwestern riparian habitat and management <i>Mahoney SM, Johnson MJ, Holmes JA</i>	Genomic Consequences of Secondary Contact in the Kolombangara White-eyes <i>Cowles SA, Uy JC</i>	Underlying Mechanisms of Avian Hybridization: Process to Pattern <i>Safran RJ, Taylor SA</i>	Phylogeny, taxonomy and geographic diversity of diurnal raptors <i>Mindell DP, Fuchs J, Johnson JA</i>	The life cycle of <i>Toxoplasma gondii</i> and its impact on wildlife <i>Barbieri MM</i>
13:45	Selection pressures tied to elaborate female and male song across Fairy-wrens <i>Odum KJ, Cain KE, Hall ML, Karubian J, Einbody ED, Webster MS</i>	*Landscape context, vegetation structure, or plant identity? Investigating potential drivers in site selection by shrubland birds <i>Ripple KE, Stodola K, Zaya DN, Merrill L, Benson T</i>	Twenty-five Year Impact of the Northwest Forest Plan on Forest Composition and Bird Populations <i>Pierce DK, Toews DP, Irwin DE, Brelsford A</i>	Barriers to gene flow and speciation in the yellow-rumped warbler <i>Pierce DK, Toews DP, Irwin DE, Brelsford A</i>	*Female competition facilitates hybridization in sex-role reversed juncos <i>Lipshutz SE, Derryberry EP</i>	New material of <i>Pellornis</i> clarifies pattern and timing of the extant gruiform radiation <i>Musser GM, Field DI, Ksepka D</i>	Estimating free-ranging cat abundance: an overview of techniques, study designs, and models
14:00	High frequency vocalizations of the Black Jacobin, a hummingbird of the Topaz clade <i>Olson CR, Fernandez-Peters M, Portfors CV, Mallo CV</i>	*Examining the microclimate hypothesis in Neotropical birds: indirect tests of the 'visual constraints' mechanism <i>Rutt CL, Midway SR, Jirinec V, Stouffer PC</i>	What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape <i>Kramer GR, Streby HM, Peterson SM, Daly KO, Andersen DE</i>	Domestic pigeon's checked past: a link between wing color patterning, introgression, and hereditary blindness <i>Vickrey AJ, Bruders R, Kronenberg Z, Osborne E, Yandell M, Shapiro M</i>	*Testing for ecological speciation across an elevational gradient in New Guinea forest kingfishers <i>Linck EB, Freeman BG, Dumbacher JP, Klicka J</i>	Uneven missing data skews phylogenomic relationships within the lories and lorikeets <i>Mauck WM, Benz BW, Andersen MJ</i>	Managing the CATastrophe: exploring the options for reducing the numbers of free-roaming felines
14:15	Call urgency level predicts the response of a Neotropical bird community: mobbing versus distress call response <i>Sandoval L, Corrales J</i>	*Characterizing adult and juvenile use of red-pine dominated plantations in Wisconsin's population of Kirtland's warblers <i>Hannah AM, Grveles K, Warner S, Lopez D, Ribic C, Pidgeon A</i>	eBird records show substantial growth of the Allen's Hummingbird population in urban Southern California <i>Linck EB, Freeman BG, Dumbacher JP, Klicka J</i>	*Testing for ecological speciation across an elevational gradient in New Guinea forest kingfishers <i>Linck EB, Freeman BG, Dumbacher JP, Klicka J</i>	Learning and memory deficiencies in hybrid chickadees as a potential postzygotic reproductive isolating barrier <i>Rice AM, McQuillan MA</i>	*Phylogenetic relationships of weaverbirds: A first species-level molecular phylogeny of the family Ploceidae <i>De Silva TN, Peterson AT</i>	Hawaii as a case study in free-ranging cat problems and solutions in the United States
14:30	*Novel analysis of isolate song reveals interspecific variation in learned components <i>Love JW</i>	*Declining old-forest species as a legacy of large trees lost <i>Jones GM, Keane JJ, Gutierrez RJ, Peery MZ</i>	*Using Structured Decision Making to Balance Stakeholder Objectives for Red-cockaded Woodpecker Management <i>Brown EJ, Ferguson PF</i>	Phylogeny of avian orders based on genome-wide coalescent analysis of insertion/deletion mutations (indels) <i>Houde P, Braun EL, Mir Arabbaygi S</i>	*Genome-wide patterns of divergence in Passerina and Cyanocitta bunnings <i>Megna LC, Carling MD</i>	*Unexpected conspecific Leucocytozoon infection in woodpeckers and passerines <i>Groff TC, Lorenz T, Sehgal R</i>	Utilizing social science to advance the dialogue about free-ranging domestic cats <i>Leong K, Lepczyk C, Teel TL, Crooks KR</i>
14:45	Do Grasshopper Sparrows have a Caribbean accent? <i>Lohr B</i>	Avian Response to Implementation of Cerulean Warbler Habitat Management Guidelines <i>Nareff G, Larkin J, Ford M, Fearer T</i>	Incorporating Woodpecker Habitat into Design of Post-Fire Salvage Logging <i>Saah VA, Latif QS, Dudley JG</i>	Spatiotemporal structuring and genomic architecture of multiple transects across an avian hybrid zone <i>Curry CM, Patten MA, Weir J</i>	Hybridization and introgression after the 19th century invasion of Glossy Ibis (<i>Plegadis falcinellus</i>) into the New World <i>Brunfield RT, Oswald JA, Harvey MG, Rensen RC, Foxworth DU, Dittmann DL</i>	Integrative taxonomy of the northern White-browed Shortwing <i>Brachypteryx montana</i> taxa supports recognition of three species <i>Alstrom P, Rasmussen PC, Camwel X, Gelang M, Yang L, Cheen G</i>	Legal considerations for addressing feral and free-ranging cats at the State level <i>Kisonak LS</i>

Wednesday, Late Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
				Genomics & Evolution	Sym: Underlying Mechanisms of Avian Hybridization	Sym: Early Professional Mini Talks	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
15:30				Genomic data provide a flicker of hope for differentiating taxa in the Northern Flicker complex <i>Aguillon SM, Campagna L, Harrison RG, Lovette IJ</i>	Anthropogenic habitat disturbances and hybridization <i>Grabenstein K</i>	Intro: Christopher Tonra Elizabeth A Gow Brian C Weeks	National and International Legal Approaches to Curbing Cat Predation <i>Hunter DB</i>
15:45				Extraordinary genetic similarity between Rufous and Allen's hummingbirds inferred from whole genome sequences <i>Brelsford A, Lagunas-Robles G, Myers B, Burns K, Clark C</i>	The role of migratory behavior in reproductive isolation at avian hybrid zones <i>Turbek SP, Scordato ES, Safran RJ</i>	Dan Gibson Karan J Odom Andrew J Boyce	Free-ranging Cats: Strategies and Challenges from the Front Lines of Conservation <i>Sizemore GC</i>
16:00				A comparison of genetic variability in the cytochrome c oxidase gene between sparrows and nuthatches <i>Penn JK, Fernandez M, Malloy M</i>	High recombination rate might contribute to intricate speciation patterns in the White wagtail (<i>Motacilla alba</i>) <i>Semenov GA, Basheva E, Borodin PM, Torgasheva A, Scordato ES, Khaydarov DR</i>	Philina A English Erik D Enbody Alex E Jahn	DISCUSSION
16:15				Indirect genetic effects and the assortativity of cooperative phenotypes in the social networks of a lek-breeding bird <i>Ryder TB, Dakin R</i>	Genomics of Admixture and Asymmetrical Introgression Between Two Ecologically Divergent Sparrow Species <i>Walsh JL, Kovach AI, Olsen BJ, Shriver G, Lovette IJ</i>	Michael G Harvey Katie LaBarbera Richard A Stanton	DISCUSSION
16:30				Phylogeny of all passerine families reveal a diversification history tied to Cenozoic global climate <i>Oliveros CH, Field DJ, Ksepka DT, Barker F, Moyle RG, Faircloth BC</i>	Introgression across the Great Plains towhee hybrid zone characterized with historical DNA <i>Billerman SM, Butcher BG, Lovette IJ</i>	Benjamin G Freeman Sara E Lipshutz Conclusion: Sara A Kaiser	DISCUSSION
16:45				Identifying the Genetic Control and Role of Pleiotropy in Melanin Pigmentation with the Eastern Screech-owl (<i>Megascops asio</i>) <i>Kurtis SM, Schmitt J, Kimball RT, Edwards SV</i>	Selection counteracts gene flow in the maintenance of color differences between subspecies of a monarch flycatcher <i>Uy JC, Cooper EA</i>	Q&A Panel	DISCUSSION

Thursday, Morning Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Population Biology/Dynamics	Migration & Stopover	Landscape Ecology	Models & Emerging Tools	Habitat Change/Relationships	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Genomics to Understanding & Adaptation & Diversification
10:30	Swainson's Hawk Recruitment: Environmental Impacts and Trends Across Three Decades <i>Vennum CR, Briggs CW, Street PA, Collopy MW, Woodbridge B, Koons D</i>	Partners in Flight: A proactive, voluntary, and scientific approach to bird conservation <i>Rosenberg KV, Easton W, Ford RP, Gaupel G, Keller B, Rich TD</i>	*Impact of Nesting Microhabitat and Foraging Habitat on the Nesting Site Selection of the Northern Black Swift (<i>Cypseloides niger borealis</i>) <i>Single AJ, Van Laar T, Gunn C, Potter K</i>	Bioacoustic Monitoring reveals exact timing of courtship, incubation, hatching, and fledging of a Tricolored Blackbird colony <i>Schackwitz WS, Greene AM, Woodruff JM</i>	*Avian communities are decreasing with piñon pine mortality in the southwest <i>Barlow AW, Hathcock CD, Fair JM</i>	Ecology and conservation of grassland birds of the Great Plains: challenges and opportunities <i>Panjabi AO, George T, Beh A</i>	Avian diversification in biodiversity hotspots <i>Younger JL, Srozier L, Maddox D, Raherilalao MJ, Goodman SM, Reddy S</i>
10:45	Research Recommendations for Understanding the Decline of American Kestrels (<i>Falco sparverius</i>) Across Much of North America <i>McClure CJ, Schulwitz SE, Van Buskirk R, Pauli BP, Heath JA</i>	*Weather over the Gulf of Mexico influences broad-scale stopover patterns of migrating birds in the spring <i>Clipp HL, Cohen EB, Smolinsky JA, Buler JJ</i>	*A landscape approach to understanding breeding habitat of a rapidly declining migratory songbird <i>Schold EK, Bulluck LP</i>	*Evening point counts produce similar occupancy estimates as morning point counts for many species <i>Gilbert NA, Ferguson PF</i>	*The effects of bison reintroduction on grassland nesting birds in tallgrass prairie <i>Henakovich HA, Jones HP</i>	Global reduction in greenhouse gas emissions diminishes climate change vulnerability of grassland birds in North America <i>Wilsey C, Taylor L, Bateman B, Panjabi A, Langham G</i>	How do geographic barriers structure population genomic variation in Philippine birds? <i>Hosner PA, Moyle RG</i>
11:00	Effects of Habitat Loss and Nesting Density on Survival and Breeding Propensity of an Endangered Shorebird <i>Catlin DH, Gibson D, Hunt KL, Friedrich MJ, Weithman CE, Fraser JD</i>	How migrating songbirds survive crossing the Gulf of Mexico in autumn <i>Ward MP, Benson TJ, Deppe J, Zenzal TJ, Diehl R, Celis-Murillo A</i>	Using the Gradient Concept to Visualize Breeding Bird Richness and Woody Structure Relationships on South Texas Rangelands <i>Ortiz JL, Conkey AA, Brennan LA, Perotto-Baldovino HL, Wester DB, Lombardi JV</i>	Identifying error in forest bird landscape capability models <i>Loman ZG, Harrison D, Deluca WV, Loflin CS, Rolek BW, Wood PB</i>	*Burmin' for you: an evaluation of turkey habitat use in response to prescribed fire <i>Parker CM, Hoover J, Benson T, Schelsky W, Garver L</i>	Physiology and behavior of grassland songbirds exposed to oil wells and anthropogenic noise <i>Koper N, Des Brisay P, Heathcote A, Ng C, Curry C</i>	Selection on pigmentation genes leads to rapid phenotypic evolution in a finch radiation <i>Campagna L, Lovette I</i>
11:15	Contrasting responses of neighboring piping plover populations toward habitat creation, conservation, and potential disturbance <i>Kwon E, Weithman CE, Catlin DH, Karpany SM, Fraser JD</i>	Fifty years and still eating the same: a tale of refueling performance from two long-term banding stations <i>Crary AL, DeGroote LW, Shieldcastle MC, Streby HM</i>	*Avian Feeding Guild Responses to Forest Fragmentation in Costa Rica <i>Cox CM, Nibbelink NP</i>	Measuring Total Plasma Protein in Wild Birds <i>Fair JM, Jankowski M, Skinner A, Hatch M</i>	*Measuring Winged Warbler (<i>Vermivora</i> sp) Occupancy as a Function of Landscape Structure at Multiple Spatial Scales in the Champlain Valley of Vermont <i>Lamonde SA, Willey L</i>	Movement ecology of grassland sparrows and why it matters for conservation <i>Harvey MG, Bravo G, Claramunt S, Derryberry G, Derryberry EP, Brumfield RT</i>	Ecological and biogeographical drivers of diversification in New World suboscine birds (Aves; Tyranni) <i>Harvey MG, Bravo G, Claramunt S, Derryberry G, Derryberry EP, Brumfield RT</i>
11:30	*Home range and habitat use of Baird's and Grasshopper sparrows in the Marfa grasslands, Texas <i>Perez-Ordonez DJ, Tiulaer M, Baeza-Tarin F, Strasser EH, Martin R, Harveson L</i>	Spatial and temporal patterns in spring stopover habitat use around the Gulf of Mexico <i>Cohen EB, Buler JJ, Clipp HL, Marra PP</i>	Landscape heterogeneity explains taxonomic, not functional or phylogenetic, bird diversity across agricultural landscapes <i>Ke A, Sibiya M, Reynolds C, McCleery RA, Monadjem A, Fletcher RJ</i>	A bird's eye view of forecasting phenological change across North America <i>Posthumus EE, Crimmins TM, Rosemarin AH, The Staff of the USA-NPN NA</i>	Avian diversity in a fragmented Neotropical landscape: 2003 - 2017 <i>Karubian J, Browne L, Castillo F, Castillo F, Carrasco L, Walter S</i>	Tracking Mountain Plover migration: conservation implications of non-breeding habitat use <i>Pierce AK, Dismore SJ, Duchardt CJ, Dwyer AM, Jorgensen D, Marra PP</i>	*Genomic approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds <i>Judy CD, Graves GR, Brumfield RT</i>
11:45	Urban intensity influences white-winged dove abundance and survival across the Texas <i>Mathewson HA, McInerney C, Hall J, Oldenburger S, Frisbie M, Schwertner T</i>	The role of seed dispersal by corvids in the recovery of oak habitat on California's largest islands <i>Pesendorfer MB, Sillett S, Morrisson SA</i>	The role of seed dispersal by corvids in the recovery of oak habitat on California's largest islands <i>Pesendorfer MB, Sillett S, Morrisson SA</i>	Fine-scale mapping of coastal plant communities in the northeastern USA: measuring habitat of a declining marsh passerine <i>Correll MD, Hantson W, Hodgman TP, Elphick CS, Shriver WG, Olsen BJ</i>	*Exploring relationships between Eastern Hemlock decline and Louisiana Waterthrush behavior and demographics in Tennessee <i>Bryant LC, Beachy TA, Boves TJ</i>	*Spatial Distribution and Site Fidelity of Long-billed Curlews Wintering in California and Mexico <i>Coates SE, Carlisle JD</i>	Rapid evolution of plumage traits in African white-eyes: a genomic perspective <i>Bowie RC, Wogan GO, Bi K, Oatley G, Voelker G</i>

Thursday, Early Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Undergraduate Symposium	Movements & Dispersal	Songs & Vocalizations	Evolutionary Ecology	Sym: Avian-solar Interactions: Impacts on Birds	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Ecology, Evolution & Conservation of Molt-migration
13:30	Call Development in Grasshopper Sparrows <i>Kaur M, Lohr B</i>	*Using eBird data to help inform stable isotope models of migratory connectivity in the Prothonotary Warbler <i>Reese JA, Tonra C, Vivrette C, Marra P, Bulluck L</i>	Loss of Cultural Diversity in Hawaiian Honeycreepers Over the Last 40 Years <i>Paxton KL, Sebastián-González E, Crampton LH, Kuhn D, Hart PJ</i>	*Ecomorphology of the introduced avian frugivores on the Hawaiian Island of Oahu and how it relates to rapid morphological change <i>Gleditsch JM, Kelley JP, Tarwater CE, Foster JT, Sperry JH</i>	Overview of solar-avian interactions in the Mojave Desert <i>Dietsch TV</i>	A Baird's life: a full-annual-cycle perspective of Baird's and Grasshopper Sparrows of the Northern Great Plains <i>Correll MD, Bernath-Plaisted J, Strasser EH, Revulcaba-Ortega I, Martinez JH, Tiulare M</i>	Expanding the traditional definition of molt-migration: towards a more comprehensive synthesis of overlap in two life history stages <i>Tonra CM, Reudink M</i>
13:45	Variation in male solo song dialects of White-eared Ground-Sparrows (Melozone leucotis; Passerellidae) through time <i>Bonilla K, Sandoval L</i>	Winter distribution of Atlantic and Great Lakes Piping Plovers <i>Gratto-Trevor CL, Rock J, Shaffer F, Catlin D, Hunt K, Fraser J</i>	*Latitude predicts repertoire size in migratory, but not sedentary, rock wrens (Salpinctes obsoletus) <i>Najar NA, Benedict L</i>	Pattern and paradox in passerine nest types <i>McEntee JP, Burleigh JG</i>	Avian Conservation and Collaboration: Coordinating Research Priorities to Better Understand Avian-Solar Interactions	Response of nomadic grassland birds to temporal variation in habitat conditions <i>Green AW, Pavlacky DC, George TL</i>	Diversity of Strategies of Remigial Molt among Sea Ducks <i>Esler D</i>
14:00	*Male Song Behavior in a Black-Capped and Carolina Chickadee Hybrid Zone <i>Monroe KA, Curry RL</i>	Tracking the movements of juvenile Wood Thrush (Hylocichla mustelina) at local and national scales to uncover the 'black box' in juvenile dispersal <i>Hayes SM, Sturchbury B</i>	Rhythms of the Doves <i>Wheelwright NT, Butterworth J, Greenlee RK</i>	*Stress-induced maternal effect links local competitive environment with large-scale changes in population demography <i>Potticary AL, Duckworth RA</i>	Migration through an unforgiving landscape: Implications for addressing solar-avian interaction issues	Effectiveness Monitoring to Evaluate Contributions of Lesser Prairie-Chicken Conservation to Biodiversity in the Great Plains <i>Pavlacky Jr DC, Green AW, Bartuszevige AM, Iovanna R, Hagen CA</i>	*Measuring the diversity of molting spatial strategies among western landbirds using long-term banding data <i>Figueira L, Martins PV, Ralph C, Alexander JD, Stephens JL, Wolfe JD</i>
14:15	*Extrapair parentage in a rapidly moving chickadee hybrid zone: confounding factor for analysis of fitness consequences of interbreeding? <i>Burton ES, Curry RL</i>	Flight behavior of Sandhill Cranes (Grus canadensis) in the vicinity of wind turbines <i>Kirsch EM, Wellik M, Diehl R, Suarez M, Sojda R, Woyczek W</i>	Low amplitude vocal signaling by rock wrens <i>Benedict L, Najar N, Pitt S</i>	*Intraspecific niche divergence within a geologically novel ecosystem <i>Conway M, Kovach A, Olsen BJ</i>	Using Genoscopes to Understand the Impacts of Solar on Migratory Birds <i>Ruegg KC, Bay R, Smith T</i>	Identifying priority areas for grassland songbirds in Canadian Prairie Potholes Region <i>Robinson BG, Charchuk C</i>	Habitats and Conservation of Molt-migrant Birds in Southeastern Arizona and Northwestern Mexico <i>Albert SK, Pyle P, Chambers M, Leitner W, Siegel RB</i>
14:30	*Nuclear DNA supports mitochondrial and phenotypic divergence in Steller's Jays (Cyanocitta stelleri) <i>Oong Z, Cicero C, Hanna ZB, Feldheim K, Bowie RC</i>	*Wood Thrush movements within the breeding season: Implications for availability for survey in distance and occupancy sampling <i>Jirinec V, Leu M</i>	Cultural selection as a mechanism of acoustic adaptation to city noise for songbirds <i>Moseley DL, Derryberry GE, Phillips J, Danner JE, Danner RM, Luther DA</i>	*Convergent morphological evolution within the largest radiation of Neotropical songbirds (Thraupidae) <i>Demery AC, Burns KJ</i>	How do different bird species visually perceive solar panels? Implications for reducing avian mortality in solar facilities <i>Fernandez-Juricic E, Baumhardt P, Kelly K</i>	Grazing management for conserving grassland birds: the need to consider local environmental context and species philopatry across landscapes <i>Davis KP, Augustine DJ, Aldridge CL, Skagen SK</i>	Variation in altitudinal molt migration in western birds <i>Wolfe JD, Wiegandt AK, Ralph C, Stephens J, Alexander J</i>
14:45	*The Evolution of Tarsal Spurs in Galliformes <i>Kimball R</i>	Home-Range Scale Habitat Selection Patterns Do not Necessarily Imply Home-Range Scale Decisions <i>Yanco SW, Linkhart BD, Wunder MB</i>	Exploring patterns of vocal performance across song types in field sparrows <i>Gill SA, Vonhof MJ</i>	Thy neighbors matter: An experimental test of the prey site partitioning hypothesis <i>Chalfoun AD, Sanders L, Scherr T</i>	*Are solar facilities in the southwestern U.S. a threat to Yuma Ridgway's rails? <i>Harrity EJ, Conway CJ</i>	*Context-dependent influences of vegetation structure on nest survival in the shortgrass steppe <i>Carver AR, Augustine DJ, Wunder MB</i>	Drivers of molt-migration in intra-tropical migratory birds <i>Jahn AE, Guaraldo AC, MacPherson M, Ryder TB</i>

Thursday, Late Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Undergraduate Symposium	Annual Cycle	Behavior & Breeding Biology	Genomics	Sym: Avian-solar Interactions: Impacts on Birds	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Ecology, Evolution & Conservation of Molt-migration
15:30	Brood size differentially affects the nestling stress response in sympatric swallows, but does not impact growth or survival <i>Hardt BM, Adria DR, Bashaw MJ, Rivers JW</i>	*Breeding season carry-over effects of forest fragmentation on Wood Thrush (<i>Hyllocichla ustulata</i>) <i>Boyd B, Hayes S, Stutchbury B</i>	What does the blue-green colour of robin eggs signal, if anything? <i>English PA, Parker LD, Montgomerie R</i>	Chromosomal inversions and reproductive isolation in an avian hybrid zone <i>Hooper DM, Griffith SC, Price TD</i>	Regional Observations and Trends in Avian Mortality at PV Solar Facilities <i>Erickson WP, Riser-Espinosa D</i>	Quantifying the contribution of ranching to grassland birds of the northern Great Plains <i>Ellison KS</i>	*Use of non-breeding sites for prebasic molt by the long-distance migrant Swainson's Thrush <i>Martins PV, Rodrigues L, Frey RI, Ralph C, Alexander JD, Stephens JL</i>
15:45	*Assessing Variation in Isotopic Signatures of Tissues for a Migratory Songbird (Tree Swallow) <i>Gingras RM, Taylor AR, Causey D</i>	Normal 0 false false false EN-US ZH-CN AR-SA <i>Rushing CS</i>	Experimental Tests of Delayed Dispersal in Fairy-wrens <i>Pruett-Jones S, Johnson AE</i>	Genomic underpinnings of acrobatic social displays in neotropical manakins (Pipridae) <i>Driver RJ, Balakrishnan CN, Day LB, Pease JB, Fajjager MJ</i>	An estimate of natural avian mortality in the Mojave Desert <i>Fernock AL, Allison L</i>	Prioritizing and Evaluating North American Grassland Bird Conservation Efforts <i>Michel NL, Grand J, Wilsey C, Langham G</i>	Evidence for a prealternate molt-migration in Rufous Hummingbirds <i>Sieburth DE, Pyle P</i>
16:00	*Avian spring migration as a dispersal mechanism for a forest insect invasion <i>Russo NJ, Cheach CA, Elphick CS, Tingley MW</i>	Parrot border crossing?: Biology and conservation of endangered red-crowned parrots (Amazona viridigenalis) in the Rio Grande Valley of Texas <i>Arellano CM, Henchman AK, Shackelford CE, Berg KS</i>	The effects of Brown-headed Cowbird (<i>Molothrus ater</i>) brood parasitism on the growth and development of grassland songbird hosts <i>Boyle W</i>	Investigating Local Adaptation in Gunnison Sage-grouse Populations <i>Zimmerman SJ, Aldridge CL, Oyler-McCance SJ</i>	Demography of birds killed at solar energy facilities <i>Conkling TJ, Vander Zanden HB, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM</i>	DISCUSSION	Linking life-history events through feather quality
16:15	*Effects of Land Management Type on American Kestrel (<i>Falco sparverius</i>) Occupancy and Recruitment <i>Kohler AK, Sellars MR, Olson ER, Doolittle TC, Heeringa B</i>	Southwestern Willow Flycatcher (<i>Empidonax traillii extimus</i>) wintering ecology in Nicaragua <i>Whitfield MJ, Ruegg K, Osterstrom SM</i>	*Winter mates impact summer dates: Linking non-breeding social environment and reproductive success in an Australian songbird <i>Welkin JF, Lantz SM, Khalil S, Karubian J, Webster MS</i>	*Evolutionary genomics and transcriptomics of variable female plumage ornamentation in a New Guinea <i>Malurus</i> fairywren <i>Enbody ED, Sin SY, Webster MS, Edwards SV, Karubian J</i>	The geographic footprint of California solar energy effects on bird populations <i>Vander Zanden HB, Nelson DM, Conkling TJ, Katzner TE</i>	DISCUSSION	The effects of life history and external drivers on the molts of migratory birds <i>Terrill RS, Maley JM, Tsai WL, Wolfe JD, Seeholzer GF, McCormack J</i>
16:30	*Influence of Drought on Nest Phenology of the Burrowing Owl (<i>Athene Cunicularia</i>) Throughout the Great Plains Region <i>Porro CM, Desmond MJ, Savidge JA, Gebreelassie FA, Cruz-McDonnell K, Griebel R</i>	*Influence of Drought on Nest Phenology of the Burrowing Owl (<i>Athene Cunicularia</i>) Throughout the Great Plains Region <i>Porro CM, Desmond MJ, Savidge JA, Gebreelassie FA, Cruz-McDonnell K, Griebel R</i>	Effects of Drought on Brood Parasite Body Condition, Follicle Development and Parasitism: Implications for Host-Parasite Dynamics <i>Buxton VL, Schelsky WM, Boyes TJ, Summers S, Weatherhead PJ, Sperry JH</i>	Genome-wide analysis of differentiation and introgression in Anna's and Costa's hummingbirds <i>Henderson EC, Brelsford A</i>	Impacts of solar energy development on breeding birds of the Nutt Grasslands, NM <i>Meliopoulos DT, Desmond MJ, Daniel D</i>	DISCUSSION	DISCUSSION
16:45	Carry-over effects of spring migration distance on reproductive success of tree swallows <i>Gow EA, Knight SM, Bradley DW, Clark RG, Dawson RD, Norris RD</i>	Carry-over effects of spring migration distance on reproductive success of tree swallows <i>Gow EA, Knight SM, Bradley DW, Clark RG, Dawson RD, Norris RD</i>	Behavior of nestling and adult grassland passerines at fledging <i>Ribic CA, Kaper N, Ng CS, Ellison K, Rugg DJ</i>	Creeper Genomics <i>Manthey JD</i>	Renewable Energy and Birds <i>George G</i>	DISCUSSION	DISCUSSION

Friday, Morning Session

Room Session	Agave II-III Lightning Talks	Coronado I Endocrinology & Physiology	Coronado II Urban Ecology	Presidio I Behavior	Presidio II Evolution	Presidio III-IV Sym: Advances in Citizen Science & Conservation & Management	Presidio V Sym: Avian Reproduction & the Thermal Environment
10:30	Spencer C Schubert Lucas W DeGroote	Overcoming thermal and hypoxic challenges of high elevations in two hummingbird species <i>Spence AR, Tingley MW</i>	*Ectoparasitism of the Wood Thrush (<i>Hylocichla ustulata</i>) in Suburban Forests <i>Straley KM, Warren P, King D</i>	*Occurrence and variability of tactile interactions between wild American crows and dead conspecifics <i>Swift KN, Marzluff J</i>	Adaptations for relative larger brains in hummingbird skulls <i>Ocampo D, Barrantes G, Uy JC</i>	Integrating citizen science and structured data to inform conservation and management <i>Meehan TD, Wilsey CB, Langham GM</i>	Avian reproduction in the heat and limits on activity <i>Wolf BO, Smith EK</i>
10:45	Constance D Becker Mu-Ming Lin *Eirlys E Tysall	*Cats are always scary: corticosterone response to live predator presentation in captive house sparrows <i>Kucera AC, Heidinger BJ</i>	The role of weather in bird-building collisions in a downtown area of a major U.S. city <i>Lao S, Anderson AW, Blair RB, Eckles JW, Turner RJ, Loss SR</i>	*Social network position correlates with exploratory behavior in Carolina Chickadees (<i>Parus carolinensis</i>) <i>Garlinger RD, Polekoff SE, Curry RL</i>	Hemoglobin evolution across elevational transitions in the phylogeny of the diglossine tanagers <i>Witt CC, Beckman EJ, Chavez AC, McCullough JM, Andersen MJ, Storz JF</i>	New initiatives at cooperative bird banding stations aid the conservation of migratory species <i>Saracco J, Ruegg K</i>	*Latitudinal variation in nest microclimate explains variation in hatching success, nestling growth, and nestling survival in burrowing owls <i>Lundblad CG, Conway CJ</i>
11:00	Bret N Mossman Simon R Kiacz Peter Houde	Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success <i>Blizard MA</i>	Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum <i>Ortiz JL, Conkey AA, Brennan LA, Fedynich L, Green M</i>	Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? <i>Johnson AE</i>	*Color evolution in the lorries and lorikeets <i>Merwin JT, Seeholzer GF, Smith BT</i>	Implications of climate change for wetland-associated birds in the U.S. interior: application of citizen science data <i>Steen VA, Skagen SK, Sofaer HR, Reese GC</i>	How an Interplay between Oviposition Order, Ambient Temperature, and Incubation Affects Offspring Fitness <i>Sockman KW</i>
11:15	Timothy J O'Connell Marilyn E Wright Kaiya L Provost	*Growing up in a noisy world: can grassland songbirds nestlings cope with the stress of growing up near oil development? <i>Heathcote AL, Koper N</i>	*The traits that predict forest bird responses to urbanization intensity <i>Paton GD, Shoffner AV, Wilson AM, Gagne SA</i>	Fussing over food: factors affecting the vocalizations American Crows utter around food <i>Pendergraft LT, Marzluff JM</i>	Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays <i>Diamond J, Bowman R, Fitzpatrick JW, Chen N</i>	The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region <i>Stralberg D, Sólomos P, Barker NK, Boyne E, Schmiegelow EK, Song S</i>	Incubation temperature alters sex ratios of avian offspring <i>DuRant SE, Hopkins WA</i>
11:30	James M Maley *Cooper A French *Jack P Hruska	Effects of winter food supply on nocturnal hypothermia <i>Nilsson J, Nilsson J</i>	A city of Oropendolas: A characterization of <i>Psarocolius decumanus</i> nesting colonies in an urban landscape <i>Machado-Stredel F, Fernandes AM, Riera F, Pérez-Enán JL</i>	*Does noise affect male house wren detection and response to a territorial intruder? <i>Grabarczyk EE, Gill SA</i>	Sequence capture of universal genomic markers across an avian hybrid zone <i>Vinciguerra NT, Tsai WL, Faircloth BC, McCormack JE</i>	Methods to correct for species labeling errors in citizen science data <i>Hutchinson RA, He L, Emerson SC</i>	Incubation temperature alters sex ratios of avian offspring <i>DuRant SE, Hopkins WA</i>
11:45	Michael J Andersen	Degree of immune challenge differentially affects oxidative stress and metabolism <i>Butler MW, Armour EM</i>	*Nocturnal lights affect bird-building collisions <i>Riding CS, O'Connell TJ, Loss SR</i>	Neotropical Wrens Learn New Duet Rules as Adults <i>Rivera-Cáceres KD, Quirós-Guerrero E, Ariya-Salas M, Templeton CN, Searcy WA</i>	Population differentiation of two tidal marsh sparrows and the implications for generalist-specialist cycling <i>Olsen BJ, Walsh J, Conway M, Ruskin KJ, Kovach AI</i>	Big Data beget bigger models: adventures in analyzing the output of species distribution models from eBird data <i>Hochachka WM, Fink D, Auer T, Johnston A, Kelling S</i>	Temperature & life history: effect of temperature manipulation during incubation on immunity and thermoregulatory performance

Friday, Early Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Abundance, Occupancy, Trends	Phylogeography	Birds & Agriculture	Life History	Sym: Humanity for Habitat: Success Stories for Birds & People	Sym: Advances in Citizen Science for Conservation & Management	Sym: Bird Community Turnover & Global Change in Tropics
13:30	*Habitat and Seasonal Effects on the Avian Community in a Fragmented Maritime Forest <i>Ferreira HJ, Fox AL, Rotenberg JA</i>	Using ancient DNA and fossils to understand the historical diversity and distribution of Bahamian birds <i>Oswald JA, Allen JM, Guralnick R, Steadman DW</i>	Estimating the influence of patch size and shape, habitat juxtaposition, and vegetation composition of restored habitat on Northern Bobwhite demographics and abundance <i>Simmons KT, Eichholz M, McTaggart S</i>	*Indirect effects of a competitor on life history and reproductive traits in a cavity nesting bird <i>Ballentine B</i>	Backyard habitats: The next frontier in bird conservation <i>Lerman SB, Goddard M, Marra PP, Ikin K</i>	The Great Backyard Bird Count: Creating Engagement through Community Science <i>Slavin ZK</i>	Bird community changes along tropical environmental gradients as a proxy for studying global change
13:45	*Effects of scale and land cover on Loggerhead Shrike occupancy <i>Froehly JL, Tegeler A, Jachowski CB, Jachowski DS</i>	Afro-tropical lowland forests: cradles or museums of avian diversity? <i>Huntley JW, Voelker G</i>	*Grazing and grassland birds: Does management affect abundance in Colorado's shortgrass steppe <i>Davis KP, Aldridge CL, Augustine DJ, Skagen SK</i>	Selection of nest-site aspect and vegetation structure results in cooler microclimates for Gray Vireo (Vireo vicinior) nests <i>Harris JP, McMurtry ST, Smith LM</i>	Habitat Network: Coupling bird conservation with citizen science to scale-up impact <i>LeBaron GS</i>	The Audubon Christmas Bird Count: Over 100 years of Citizen Science data informing conservation and management <i>LeBaron GS</i>	Exploring abiotic and biotic drivers of avian distributions and community turnover across Neotropical mountains <i>Jankowski JE</i>
14:00	*Shorebird Use of Military Lands in Interior Alaska <i>Martin EC, Doherty, Jr PF, Jochum KA</i>	Problematic Pachycephalidae: a new phylogenetic hypothesis using ultraconserved elements <i>Joseph L, Moyle RG, Andersen MJ</i>	Prairie Strips for Birds: Increasing Biodiversity Alongside Agriculture <i>Giese JC, Schulte LA, Klaver RW</i>	Heavy babies and skinny youth: Density dependence in a highly social bird <i>Barve SS, Koenig WD, Walters EL</i>	Neotropical Flyways Project: Mapping Migratory Stopover Sites in Central and South America <i>Boyle NJ, Rosenberg KV, de Pilar Caicedo A</i>	Uncovering the effects of climate change on bird species using structured citizen science: Audubon's Climate Watch program <i>Bateman BL, Michel N, Dale K, Slavin Z, Wilsey C, Langham G</i>	*Species diversity across elevational gradients in the High Andes <i>Sevillano CS, Rodewald AD</i>
14:15	*Comparing Demography of Sympatric Scaled and Gambel's Quail Populations in Response to Weather in the Chihuahuan Desert <i>Leipold EA, Carleton SA, Gould WR</i>	The role of plumage color evolution in speciation in the tanager (Aves: Thraupidae) <i>Price-Waldman RM, Shultz AJ, Burns KJ</i>	*Population status, Distribution and Conservation Initiation of Asian Woollyneck (Ciconia episcopus) in Western Lowlands of Nepal	Breeding habitat requirements of Bendire's thrasher (Toxostoma bendirei) throughout its New Mexico and Arizona range <i>Bear Sutton CT, Desmond MJ, VanLeeuwen D</i>	Audubon's Conservation Ranching Program <i>Salas LA, Clark M, Schackwitz W, Leland D, Micheli L, Campos-Cerqueira M</i>	Soundscapes to Landscapes: Monitoring Animal Biodiversity from Space Using Citizen Scientists <i>Karp DS, Friskhoff LO, Echeverri A, Juarez P, Juarez P, Chan KM</i>	Agriculture erases climate-driven β -diversity in Neotropical bird communities <i>Freeman BG, Scholer M, Fitzpatrick JW</i>
14:30	Landbird population trends in protected areas of the North Coast and Cascades Network <i>Ray C, Saracco JF, Holmgren M, Wilkerson R, Siegel R, Ransom JJ</i>	*Isolation and gene flow affect the diversification of a South Pacific bird: the Foulhaite honeyeater complex <i>Mapel XM, Cibois A, Modak TH, Moyle RG, Naikantini A, Seamon JO</i>	Rapid phenotypic & trophic change in Horned Lark (Eremophila alpestris) after conversion of the Colorado desert to agriculture <i>Mason NA, Unitt P, Sparks JP</i>	*Tracking grassland fledglings: using radio-telemetry to study post-fledging survival of a threatened grassland songbird <i>Carey HC, Koper N</i>	Forest Bird Initiative: Keeping Birds and People on Common Ground <i>Sauer JR, Link WA, Niven DK</i>	Model Sets for the North American Breeding Bird Survey <i>Freeman BG, Scholer M, Fitzpatrick JW</i>	Climate change causes mountaintop extinctions in a tropical bird community <i>Freeman BG, Scholer M, Fitzpatrick JW</i>
14:45	Estimating Population Trends with Dynamic N-mixture Models: When do Repeated Visits Count? <i>Monroe AP, Wynn GT, Aldridge CL, Coates PS, Ricca MA</i>	Origin and evolution of the extinct San Benedicto Island Rock Wren (Salpinctes obsoletus exsul) revealed by phylogeographic analysis of genome-wide variation <i>Spellman GM, Nahar N, McCullough J, Benedict L, Andersen M</i>	Population Responses of the Northern Bobwhite to Land Use Changes in the Agricultural Landscapes of Ohio, USA <i>Smith OM</i>	Effects of sex and inbreeding on reproductive senescence in three cooperatively breeding species <i>Garcia V, Bowman R, Fitzpatrick JW, Koenig WD, Walters JR, Walters EL</i>	Made in the shade: How Bird Friendly@is good for people and biodiversity <i>Alexander JD, Armstrong EE</i>	Integrating an eBird portal and an Avian Knowledge Network node for improved citizen science and bird conservation <i>Gadek CR, Witt CC</i>	*Evolutionary dynamics of elevational ranges in Andean birds <i>Gadek CR, Witt CC</i>

Friday, Late Afternoon Session

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Community ecology	Sexual Selection	Human Dimensions & Coupled Systems	Migration & Stopover	Sym: Humanity for Habitat: Success Stories for Birds & People	Sym: Advances in Citizen Science & Conservation & Management	Sym: Bird Community Turnover & Global Change in Tropics
15:30	The changing foraging behavior of the Galápagos Islands seabird community <i>Zarn AM, Emslie SD, Valle C</i>	*Carotenoid metabolism strengthens the link between feather coloration and individual quality <i>Weaver RJ, Santos ES, Tucker AM, Wilson AE, Hill GE</i>	*Within-scale and cross-scale interactions of temperature and socioeconomic factors affect Neotropical migrant persistence <i>Chaudhary A, Gutzwiller KJ</i>	*Migration strategies and nonbreeding movements of a threatened population of Black-crowned Night-Herons <i>Stein KA, Stein KA, Kearns LJ, Tonra CM</i>	Mexican spotted owls and the Mescalero Apache <i>Hoagland SJ</i>	*A Cultural Empowered Youth to fill gaps in regional avifauna knowledge: A powerful asset to understand and document climate change trends <i>Priam J, Avril J</i>	Elevational range shifts in tropical avian communities <i>Forero-Medina G</i>
15:45	Lifetime use of individual tree cavities in temperate and subtropical forest ecosystems in the Americas <i>Cockle KL, Trzcinski MK, Edgeworthy AB, Wiebe KL, Martin K</i>	*Does signal diversity matter? Testing the significance of bird song repertoire size <i>Pitt SG, Benedict L</i>	Characterizing the niches of North American birds within contemporary culture <i>Schuetz JG, Johnston A</i>		BirdReturns: delivering dynamic cost-effective habitat for migratory birds in agricultural landscapes <i>Kelsey TR, Galet GH, Reynolds MD</i>	High resolution bird distributions from citizen science data <i>Steen VA, Tingley MW, Elphick CS</i>	The roles of interspecific aggression and thermal physiology in limiting elevational ranges of tropical birds <i>Boyce AJ, Wolf BO, Martin TE</i>
16:00	Dietary overlap and differences among coexisting, food-limited birds in relation to available prey and foraging behavior <i>Kent CM, Sherry TW</i>	The Left Testis Differs from the Right Testis in Composition and Function Within Male Waterfowl and Game Birds (Galloanserae) <i>Delehanty DJ, O'Hearn PP</i>	Discrepancy in the amount of wintering versus breeding of grassland bird publications: Using text analysis to quantify seasonal bias in life-cycle studies <i>Muller JA, Ross JD</i>	*Discovery of fall migration of Northern Saw-whet Owls (<i>Aegolius acadicus</i>) in Missouri, Arkansas, and Oklahoma (USA) <i>Pruitt ML, Smith KG, Ripper D, Revels M, Ramirez A, Tossing L</i>	The Bobolink Project: Helping Farmers Protect Grassland Birds <i>Anwood J, LaBarr M, Strong A, Swallow S, Chakrabarti A, Hunt P</i>	Integrating remote sensing and citizen science to study the colonization of urban environments by a returning avian predator <i>Zuckerberg B, McCabe JD, Yin H, Cruz J, Radeloff V, Pidgeon A</i>	Temperature and competition interact to structure Himalayan bird communities <i>Srinivasan U, Eken PR, Wilcove DS</i>
16:15	California chaparral bird community responses to prescribed fire and shrub removal in three management seasons <i>Newman EA, Potts JB, Tingley MW, Vaughn C, Stephens SL</i>	Sampling constraints affect mate choice in birds <i>Wilson DR, Fraser B</i>	Think! Understanding Bird-window Collisions on the Utah State University Campus <i>Sullivan KA, Sagers R, Hopkins D</i>	*Effect of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds <i>Tucker AM, DeRose-Wilson A, Catalano M, Zimmerman J, McGowan C</i>	Ecosystem services provided by American kestrels in fruit crops: farmer, consumer, and economic perspectives <i>Lindell C, Shwiff S, Shave M, McClure C, Howard P, Elser J</i>	Combining citizen science with targeted monitoring for Gulf of Mexico tidal marsh birds <i>Adams EM, Woodrey MS, Rush SA, Cooper RJ</i>	Long-term demographic responses of forest understory bird species to habitat loss, fragmentation, and climate change in Tanzania <i>Newmark WD, Korfanta NM, Kauffman MJ, Stanley TR, Halley JM, Jenkins CN</i>
16:30	*Influence of Spawning Capelin on Marine Predator Diet and Food Web Structure in Coastal Newfoundland <i>Jenkins EJ, Davoren G</i>	Paralleled Evolution of Ordered Feather Barb Biophotonic Nanostructures <i>Saranathan V, Prum RO</i>		Evidence for a relationship between the movements of boreal-breeding and temperate-breeding fringillids <i>Dougherty PJ, Wilson WH</i>	Reconciliation Ecology and Bird Conservation	Informing isotopic assignment of secretive marsh birds migratory connectivity with directed and opportunistic citizen science data <i>Fournier AM, Sullivan AR, Perkins M, Shielcastle MC, King SL, Drake KL</i>	Elevational changes in the avian community of a Mesoamerican cloud-forest park <i>Neate-Clegg MH, Jones SE, Burdakin O, Jocque M, Sekercioglu CH</i>
16:45	New Zealand Changing Islands: 35 years of Landbird Populations Affected by Introductions, Succession, Predator Control, and Weather <i>Ralph CJ, Ralph CP, Long LL</i>	Ornamental chick coloration in American coots: selection within or between broods? <i>Lyon BE, Shizuka D</i>		Where do winter crows go? Characterizing partial migration with satellite telemetry, stable isotopes, and molecular markers <i>Townsend AK, Frett B, McGarvey A, Tuff CC</i>	DISCUSSION	Beyond bird counts: volunteer monitoring of shorebird productivity along the US west coast <i>Meehan TD, Harvey AL, Michel NL, Langham GM, Weinstein A</i>	DISCUSSION

Saturday, Morning Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Abundance, Occupancy, Trends	Habitat Change\Relationships	Urban Ecology	Evolutionary Ecology	Climate	Sym: Desert Birds in Peril: Research & Conservation Challenges	Migration & Stopover
10:30	Multi-species bird occupancy in pastureslands, and use of conspecific stimuli to increase Loggerhead Shrike detection <i>Graham LD, Lituma CM</i>	Seasonal Resource Partitioning between Northern Spotted Owls and Barred Owls in the Oregon Coast Range <i>Jenkins JM, Kane JT, Kane VR, Lesmeister DB, Verschyl J, Wiens J</i>	Influence of avian life history strategies on building collision risk at a continental scale <i>Elmore JA, Hager SB, Cosentino BJ, Loss SR</i>	Woodpecker plumage evolution: convergence, mimicry, or neither? <i>Miller ET, Leighton GM, Lees AC, Freeman BG, Ligon RA</i>	Monogamous shorebirds breed earlier and match with food peak better than sympatrically breeding polygamous shorebirds <i>Kwon E, Weiser EL, Lancot RB, Brown SC, Gates R, Gilchrist H</i>	Binational Collaboration for Desert Bird Conservation in the southwestern U.S. and northern Mexico <i>Duberstein JN, Hejl S, Macias-Duarte A, McCreedy C</i>	Population genetics and migratory connectivity of the Prothonotary Warbler <i>DeSaix MG, Miles LS, Vivrette CB, Dyer RJ, Bulluck LP</i>
10:45	Avifauna abundance, population trends and threats at Mangla Wetland <i>Khan BN</i>	Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests <i>Stillman AN, Siegel RB, Wilkerson RL, Johnson JM, Tingley MW</i>	Surviving in the city: higher apparent survival for urban birds but worse condition on noisy territories <i>Phillips JN, Genry K, Derryberry E, Luther D</i>	Does variation in nestling wing development and body condition drive post-fledging survival within and among songbird species? <i>Jones TM, Ward MP, Benson TJ, Brawn JD</i>	Higher spring temperatures increase food scarcity and limit the distribution of crossbills <i>Mcquida ET, Svenning J, Summers RW, Benkman CW</i>	Urban characteristics related to urban bird community in the desertic city of Hermosillo, Sonora, Mexico <i>Castillo-Gómez RA, Johnston-López K, Macías-Duarte A</i>	Range-wide migration patterns in Vermivora warblers <i>Kramer GR, Andersen DE, Buehler DA, Wood PB, Peterson SM, Lehman JA</i>
11:00	The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy <i>Peterson SM, Beissinger SR</i>	Hurricane Sandy and Engineered Human Response Created Habitat for a Threatened Species <i>Walker KM, Fraser JD, Catlin DH, Ritter SJ, Robinson SG, Bellman HA</i>	The role of resident bird species as carriers of ticks in urban areas <i>Roselli MA, Noden BH, Loss SR</i>	Moving to the mainland: expanding assessment of the impacts of diversity and biogeographic history on assemblage vulnerability <i>Weeks BC, Gregory N, Naeem S</i>	Climate change and management implications for a declining Neotropical migratory songbird breeding in the Great Plains <i>Glass AJ, Arvilla N, Coven AJ, Kim DH, Sutton M, King KC</i>	Summer rain, availability of seed and selection of winter habitat of two sparrow species of the genus Ammodramus, in the north of Durango, Mexico <i>Martinez-Guerrero JH, Pereda Solís ME, Rivalcaba-Ortega I, Macias-Duarte A, Candelas-Castillo R, Strasser E</i>	Automated telemetry reveals staging behavior in a declining migratory passerine <i>Wright JR, Powell LL, Tonra CM</i>
11:15	Using point counts to estimate population growth and site quality: a comparison with intensive demographic monitoring <i>Valente JJ, Ryder TB, Rushing CS, Betts MG, Fischer RA, Sillert TS</i>	A novel virus associated with beak deformities in wild birds <i>Van Hemert C, Zylberberg M, Handel CM, Pujot LM, DeRisi JL</i>	Two Negatives Equal a Positive: How SoCal's Wild Parrots (Non-invasive, Non-native) Are Helping Conserve Mexican Species <i>Durham B</i>	Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone <i>Walsh J, Clucas GV, MacManes M, Kovach A</i>	Climate change and long-term trends in bald eagle (Haliaeetus leucocephalus) winter habitat use <i>Rubenstein MA, Christophersen R, Ransom JJ</i>	Region-wide Desert Thrasher Surveys: An Example of a Collaborative Conservation Effort <i>Fletcher DM, Harter LB, Ammon E</i>	Insights into the Black Box of Long-Distance Migration Revealed by Emerging Tracking Technology <i>Halfworth MT, Cooper NW, Cohen EB, Sillert TS, Ryder TB, Marra PP</i>
11:30	Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (Strix occidentalis lucida) <i>Lanier WE, Blakesley JA</i>	Does the Working Coast work for wildlife? Effects of saltmarsh restoration on avian communities in the Gulf of Mexico <i>Byerly PA, Waddle HJ, Leberg PL</i>	Urban and Endangered: the complex realities of Red-crowned Parrots in Texas <i>Brightsmith DJ, Kiacz S, Boyd JD</i>	Spatiotemporal variation in hatching success and nestling sex ratio in a rapidly moving chickadee hybrid zone <i>Driver RJ, Ferretti V, Burton E, Curry RL</i>	Long-term patterns in breeding phenology and productivity of Flamulated Owls in a changing climate <i>Linkhart BD</i>	Natal dispersal of Aplomado Falcons under drastic habitat loss in the Chihuahuan Desert of Mexico <i>Macias-Duarte A, Alvarado-Castro JA, Gutierrez-Ruacho OG, Ortega-Rosas CI, Rodriguez-Salazar JR</i>	Upslope molt migration of Orange-crowned warblers on the west slope of the Sierra Nevada in California <i>Wenny DG</i>
11:45	The recent expansion of Fox Sparrow breeding range into the northeastern United States <i>Stoleson SH, Lituma CM</i>	Infestation by the exotic fruit fly, Drosophila suzukii, reduces local abundance of frugivorous birds in an Appalachian forest <i>Narango DL, Carlo TA, Tallamy DW, Marra PP</i>	A N15 isotope tracer experimentally demonstrates that nonnative plants limit energy flow to higher order consumers like birds <i>Gibson D, Hornsby AD, Cohen JB, Fraser JD, Hunt KL, Catlin DH</i>	Migratory shorebird adheres to Bergmann's Rule throughout the annual lifecycle through shifts in individual body mass <i>Winger BM, Weeks BC, Willard DE</i>	Shared morphological consequences of global warming across the North America migratory avifauna <i>Rivalcaba-Ortega I, Canales-del-Castillo R, González-Rojas JJ, Guzmán-Velasco A</i>	Worthen's Sparrow (Spizella wortheni) current status in natural and anthropogenic-disturbed areas in Mexico <i>DeLuca WJ, Woodworth BK, MacKenzie SA, Newman A, Sutton A, Freeman N</i>	From Alaska to the Amazon: migratory behavior of blackpoll warblers (Setophaga striata) across their breeding range

Saturday, Early Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Breeding Biology	Conservation	Tropical Ecology	Evolution	Sym: Setting Priorities for Research & Monitoring Bird Populations	Sym: Desert Birds in Peril: Research & Conservation Challenges	Sym: Bridging the Gap between Science & Conservation
13:30	Taming the temperature: Do birds select nest sites that modulate microclimatic variation? <i>Scherr TM, Chalfoun AD</i>	Does use of exotic shrubs influence nesting success of Veeries in northeastern Pennsylvania? <i>Goguen CB, Murray LD</i>	Threatened birds, dynamic habitats and disturbance processes: conservation ecology in one of the worlds most understudied savanna ecosystems <i>Kingsbury J, Davies G, Tonra C, Macleod R</i>	Fifty Shades of Brown: evolution of plumage brightness in a large clade of non-ornamented Neotropical passerines <i>Marcondes RS, Brumfield RT</i>	Seeking the Knowledge-Action Boundary: Decision Analysis for Collaborative Conservation <i>Lyons JE</i>	Interactive effects of climate, landcover change, and habitat quality on Ferruginous Pygmy-Owl populations in the U.S and Mexico <i>Flesch AD</i>	Bridging the gap between science and avian conservation: Lessons learned on Integrating research into management actions <i>Van Riper III C, Nichols JD, van Riper CJ, Stewart WP</i>
13:45	Scarlet Macaw breeding ecology and behavior in Tambopata Peru <i>Vigo Trauco G, Brighsmith DJ</i>	Conservation Planning Under Uncertainty: An Interactive Decision Support Tool for Least Bell's Vireo Management <i>Stanton JC, Hall L, Alvarado A, Kas B, Marek J, Morrisette E</i>	Disturbance along a watershed in Belize maintains high species diversity in the bird community <i>Rotenberg JA, Martin JA, Pop L, Garcia W</i>	Subfossil evidence for a recent hybrid origin of the endangered, endemic Hawaiian koloa maoli (Anas wyvilliana) <i>Wells CP, Lavretsky P, Spitzer M, Dattoria M, James H</i>	Effects of anthropogenic activities on haemosporidian infection in birds of the highland plateau of central Mexico <i>Chapa-Vargas L, Ruiz-Garcia GM, Ham-Dueñas G, Canales-Delgadillo JC, Tinajero RJ</i>	Maintaining critical habitat for birds at the Salton Sea <i>Jones AL, Krieger K, Salas L, Shuford WD, Cooper DS</i>	
14:00	Cold and safe versus warm and risky: nesting decisions in an alpine songbird <i>de Zwaan DR, Martin K</i>	Evaluating extinction probabilities and recovery strategies for Maui Parrot Bill <i>McGowan CP, Mounce HL, Warren C, Paxton E, Groombridge J</i>	Dealing with drought in the rainforest <i>Nishikawa ET, Brown JD</i>	The skull and brain in birds and their relatives reveal a deep evolutionary and developmental relationship <i>Hanson MD, Fabbri M, Mongiardino Koch N, Pritchard AC, Norell MA, Bullard BS</i>	Challenges to Coordinated Monitoring in the Face of Gulf of Mexico Restoration <i>Wilson RR, Tirpak J, Steyer G</i>	Building an ecological atlas: from spatial data to conservation across dynamic Arctic seas <i>Smith MA, Goldman MS, Knight EJ, Sullender BK</i>	
14:15	Pinyon Jay (Gymnorhinus cyanocephalus) Movements, Habitat Use, and Satellite Colonies in the Manzanita Mountains, New Mexico <i>Novak MC, Smith LM, McMurry ST, Harris JP</i>	Survival, site persistence, and movement dynamics of a non-territorial Neotropical migrant during the nonbreeding period <i>Ames EM, Tonra C, Bulluck L</i>	Avian responses to indigenous community forest management in western Amazonia <i>Arcilla N, Sutton M, Tsamajain-Shiwig O, Cooper RJ</i>	Evolutionary conflict <i>Queller DC, Strassmann JE</i>	Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making <i>Fournier AM, Lyons J, Adams E, Brush J, Cooper R, DeMaso S</i>	Drought-caused delay in nesting and its facilitation of parasite- and predator-mediated variation in reproductive success <i>McCreedy CL, van Riper III C</i>	Developing actionable science for multiple-use lands: from landscapes to sage-grouse in the Bureau of Land Management <i>Carter SK, Haby T, Miller KH, Carr NB, Bowen ZH</i>
14:30	Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range <i>Ruskin KJ, Hodgman TP, Borowske AC, Cohen JB, Elphick CS, Field CR</i>	Response of a native Hawaiian bird to the removal of an invasive predator in a mesic, montane forest <i>Banko PC, Jaenecke KA, Peck RW</i>	Uncontrolled hunting drives severe declines and extirpations of forest hornbills (Bucerotidae) in West Africa <i>Holbech LH, Amorah NN, Phalan B, Arcilla N</i>	Trends in carotenoid-consistent coloration across non-passerine birds <i>Davis SN, Clarke JA</i>	The response of birds to habitat restoration and environmental flows in the Colorado River Delta, Mexico	Community-based bird monitoring in biodiversity hotspots: integrating conservation, research, education, capacity building, and incomes <i>Sekercioglu CH</i>	
14:45	White-headed Woodpecker (Picoides albolarvatus) habitat selection and nest survival: a multi-scale analysis <i>Purcell KL, McGregor E, Baldwin J</i>	Habitat specific abundance and occupancy dynamics of a non-territorial overwintering songbird in Panama and Colombia <i>Bulluck LP, Bayly N, Ames E, Viverette C, Tonra C</i>	Avian and non-avian dinosaur egg color had a single evolutionary origin <i>Wiemann J</i>	Gulf of Mexico Marine Assessment Program for Protected Species (GoMMAPPS): a Nexus to Regulatory Decision-Making <i>Gleason JS, Wilson RR, Jodice PG, Lyons JE, Zipkin EF, Silverman ED</i>	Physiologically-structured species range models identify traits underlying susceptibility of desert birds to climate change <i>Wolf BO, Riddell E</i>	Putting the Right Habitat, in the Right Places, at the Right Time: The Integrated Waterbird Management and Monitoring Initiative <i>Heglund PJ, Loges B, Newman J</i>	

Saturday, Late Afternoon Session

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	Behavior	Conservation	Citizen Science & Science Communication	Diseases & Parasites	Sym: Setting Priorities for Research & Monitoring Bird Populations	Sym: Desert Birds in Peril: Research & Conservation Challenges	Sym: Bridging the Gap between Science & Conservation
15:30	When Goshawks Attack!: A Comparison of Nest Defense Behaviors in Oulu, Finland and the Little Belts, Montana <i>Wright ME, Tornberg R, Bickford NA</i>	Loggerhead Shrike Predation on Dunes Sagebrush Lizards in Southeastern New Mexico <i>Hathcock CD, Hill MT</i>	Conservation of Sick's Swifts (<i>Chaetura meridionalis</i>) in Southern Brazil: a successful citizen science initiative <i>Biancalana RN</i>	Ground-dwelling songbirds as competent carriers and reservoirs of vector-borne disease (Lyme disease) <i>Hill AJ, Litania CM, Wilson ME, Meade BJ, Hendricks BM, DeGroot LW</i>	Application of monitoring Best Management Practices to marsh restoration priorities to reduce uncertainty of marsh birds response <i>Woodrey MS, Cooper RJ, Evans KO, Iglay RB, Rush SA, Fournier AM</i>	Winter home range characteristics and habitat use by Sprague's Pipit (<i>Anthus spragueii</i>) in the Chihuahuan Desert grasslands of northern Mexico <i>Srasser EH, Ruvalcaba-Ortega I, Peña-Peniche A, Panjabi AO, Martínez-Guerrero J, Canales-del-Castillo R</i>	Modeling transitory habitat in a dynamic agricultural landscape for the Streaked Horned Lark <i>Hamilton CM, Bateman BL</i>
15:45	Manipulating badges of status only fools strangers <i>Chaine AS, Shizuka D, Block TA, Zhang L, Lyon BE</i>	Evaluation of Southwestern Willow Flycatcher Breeding Records Along Southern Range Boundary <i>van Riper III C</i>	A community-based approach to conserving the island-endemic Calayan Rail <i>Reynon JB, Guimayen AG, Oliveros CH</i>	Effects of supplemental feeding on gut microbiota and parasite resistance in Eastern Bluebirds <i>Knutie SA</i>	Understanding habitat use and management efforts to conserve migratory landbirds along the northern Gulf of Mexico coast <i>Zenzal TJ, buler JJ, Moore FR, Barrow WC, Wilson BC</i>	The Salton Sea: California's Most Imperiled Wetland? <i>Cooper DS, Jones A</i>	Optimizing conservation of Hawaiian forest birds into an uncertain future <i>Paxton EH</i>
16:00	Autumn social familiarity preferences predict reproductive output in Brown-headed Cowbirds (<i>Molothrus ater</i>) <i>Kohn GM</i>	State of the world's raptors: threats, distributions, and actions <i>McClure CJ, Johnson JA, Westrip J, Schwitz SE, Virani MZ, Thorstrom R</i>	Using Nest Cam Data to Engage Undergraduate General Biology Students in Authentic Graduate Research <i>Cowell SD, Sullivan K, Rodman T, Lucas L</i>	Variation in malarial prevalence and diversity in thrush congeners along a latitudinal gradient of the Appalachian Highlands <i>Starkloff NC, Turner WC, Kirchman JK</i>	Using monitoring to reduce uncertainty in identifying key ecological drivers of populations - examples from the Everglades <i>Frederick PC</i>	DISCUSSION	Turning Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>) Surveys Into Conservation Action <i>Prager SS, Supplee V, MacFarland J</i>
16:15	Stable social relationships between unrelated females increase individual fitness in a cooperative bird <i>Riehl CP, Strong MJ</i>	Relationship of conservation practices to priority grassland bird occupancy in the Central Hardwoods Bird Conservation Region <i>Litania CM, Joos CJ, Baehler DA</i>	Call of the Wild: Using Natural Sounds Recordings to Give Voice to Avian Conservation <i>Job JR</i>	Patterns of <i>Borrelia burgdorferi</i> prevalence in Northern Illinois birds <i>Marshall JS, Hanson C, Beckmann SM</i>	Using a structured decision making framework to support large-scale inference <i>Adams EM, Fournier AM, Lyons JE, Woodrey MS</i>	DISCUSSION	DISCUSSION
16:30	Gray-checked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels <i>McDermott JP, Whitaker DM, Warkentin IG</i>	Gray-checked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels <i>McDermott JP, Whitaker DM, Warkentin IG</i>		A novel virus associated with beak deformities in wild birds <i>Van Hemeri C, Zylberberg M, Handel CM, Pajot LM, DeRisi JL</i>	DISCUSSION	DISCUSSION	DISCUSSION
16:45		The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls <i>Yackulic CB</i>			DISCUSSION	DISCUSSION	DISCUSSION